

	1	2	3	4	5	6	7	8																																																																									
A	THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF INVENTEC CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION, INVENTEC CORPORATION 2009 ALL RIGHT RESERVED HSF Property : RoHS																																																																																
B	<div>STYX www.aitech1.ru DB BUILD 2010.07.13</div>																																																																																
C																																																																																	
D																																																																																	
E																																																																																	
F	<table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table>																			DATE	CHANGE NO.	REV	<table><tr><td></td><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td></tr><tr><td>DRAWER</td><td></td><td></td><td></td><td></td></tr><tr><td>DESIGN</td><td></td><td></td><td></td><td></td></tr><tr><td>CHECK</td><td></td><td></td><td></td><td></td></tr><tr><td>RESPONSIBLE</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="2">SIZE = 3</td><td colspan="3">VER :</td></tr><tr><td colspan="5">FILE NAME : XXXX-XXXXXX-XX</td></tr><tr><td>P/N</td><td colspan="4">XXXXXXXXXXXX</td></tr></table>		EE	DATE	POWER	DATE	DRAWER					DESIGN					CHECK					RESPONSIBLE					SIZE = 3		VER :			FILE NAME : XXXX-XXXXXX-XX					P/N	XXXXXXXXXXXX				<table><tr><td colspan="4">INVENTEC</td></tr><tr><td colspan="4">TITLE STYX</td></tr><tr><td>SIZE A3</td><td>CODE CS</td><td>DOC. NUMBER MTR</td><td>REV X01</td></tr><tr><td>SHEET 1</td><td colspan="3">OF 58</td></tr></table>	INVENTEC				TITLE STYX				SIZE A3	CODE CS	DOC. NUMBER MTR	REV X01	SHEET 1	OF 58			8
DATE	CHANGE NO.	REV																																																																															
	EE	DATE	POWER	DATE																																																																													
DRAWER																																																																																	
DESIGN																																																																																	
CHECK																																																																																	
RESPONSIBLE																																																																																	
SIZE = 3		VER :																																																																															
FILE NAME : XXXX-XXXXXX-XX																																																																																	
P/N	XXXXXXXXXXXX																																																																																
INVENTEC																																																																																	
TITLE STYX																																																																																	
SIZE A3	CODE CS	DOC. NUMBER MTR	REV X01																																																																														
SHEET 1	OF 58																																																																																

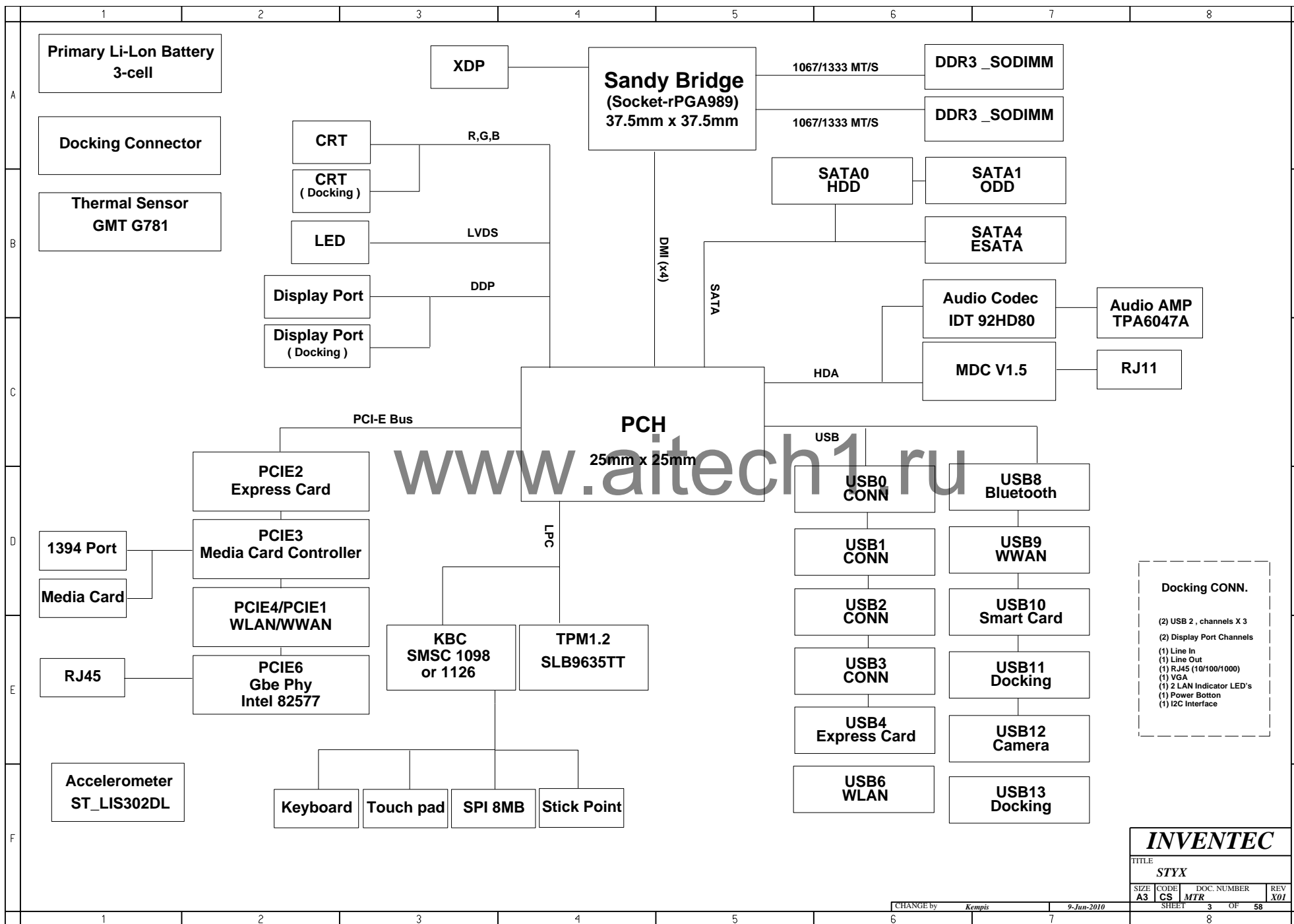
TABLE OF CONTENTS

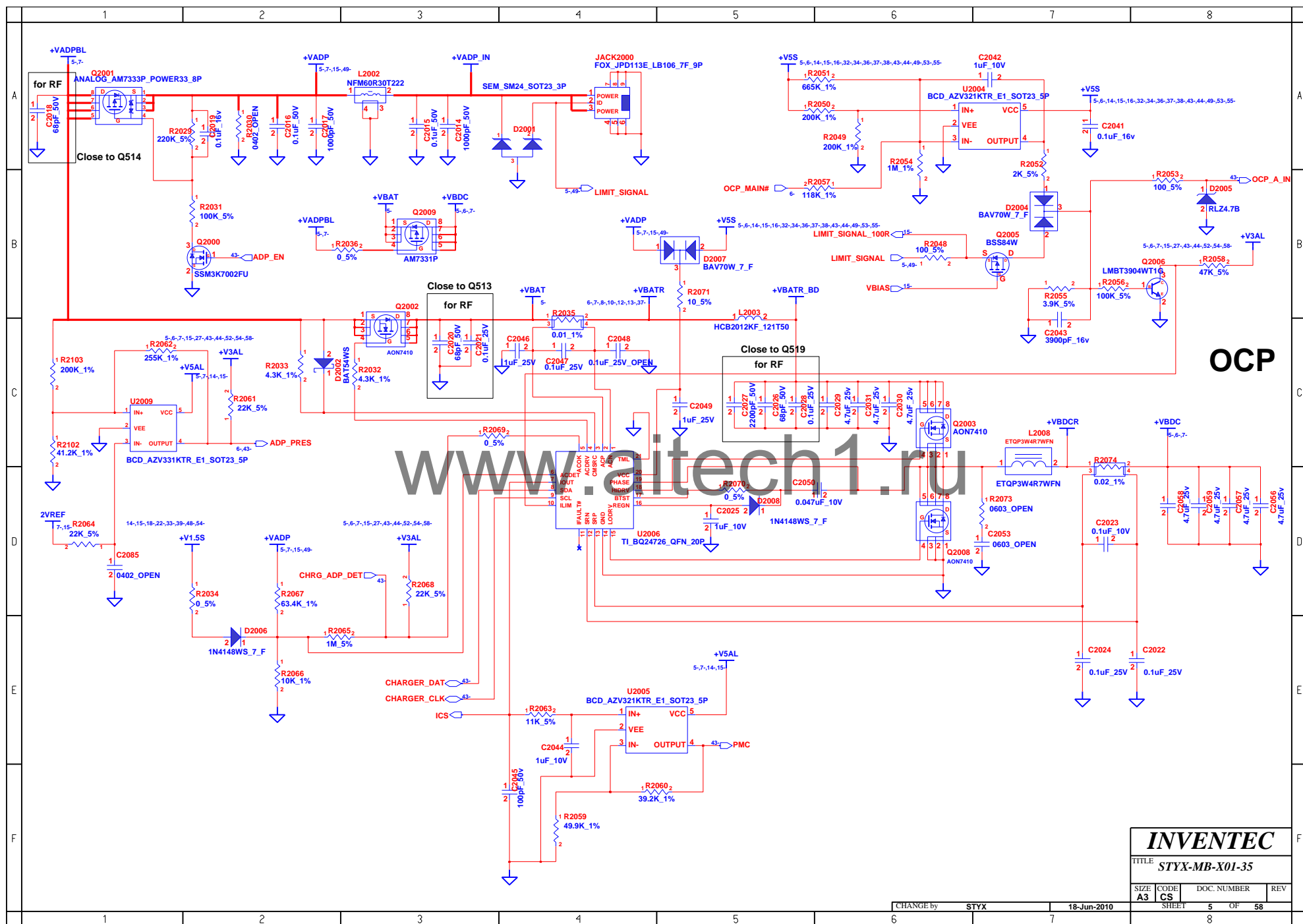
5- DC& BATTERY CHARGER	27- PCH1
6- SELECT & BATTERY CONN	28- PCH2
7- SYSTEM POWER(3V/5V)	29- PCH3
8- SYSTEM POWER(+V1.5/+V1.05M_LAN)	30- PCH4
9- POWER(+V1.8S)	31- PCH5
10- SYSTEM POWER(+VCCP)	32- PCH6
11- CPU POWER(+V0.85S)	33- PCH7-POWER
12- CPU POWER(+VCC_CORE)	34- PCH8-POWER
13- CPU POWER(+VGFX)	35- PCH9
14- POWER(SLEEP)	36- CRT / DISPLAY PORT CNTR
15- POWER(SEQUENCE)	37- EDP & WEBCAM
16- FAN & THERMAL	38- SATA & ODD CNTR
17- XDP CONN	39- USB & ESATA COMBO
18- SANDY BRIDGE1	40- USB Conn
19- SANDY BRIDGE2	41- BLUE TOOTH & FINGER PRINTER CNTR
20- SANDY BRIDGE4	42- ACCELEMETER
21- SANDY BRIDGE3	43- KBC / SPI
22- SANDY BRIDGE5	44- Keyboard/ Point Stick/Touch pad
23- SANDY BRIDGE6	46- LAN INTERFACE
24- DDR3-DIMM0	47- LAN RJ45 CNTR
25- DDR3-DIMM1	45- TPM/MDC
26- DDR3-VREF	48- WWAN/WLAN/SIM
	49- Docking
	50- WLAN/ WWAN / BT LED
	51- SCREW
	52-Quick button
	53-Smart card
	54-EXPRESS CARD
	55- CODEC
	56- MIC & Hearphone JACK
	57- CARD READER
	58- HALL SENSOR

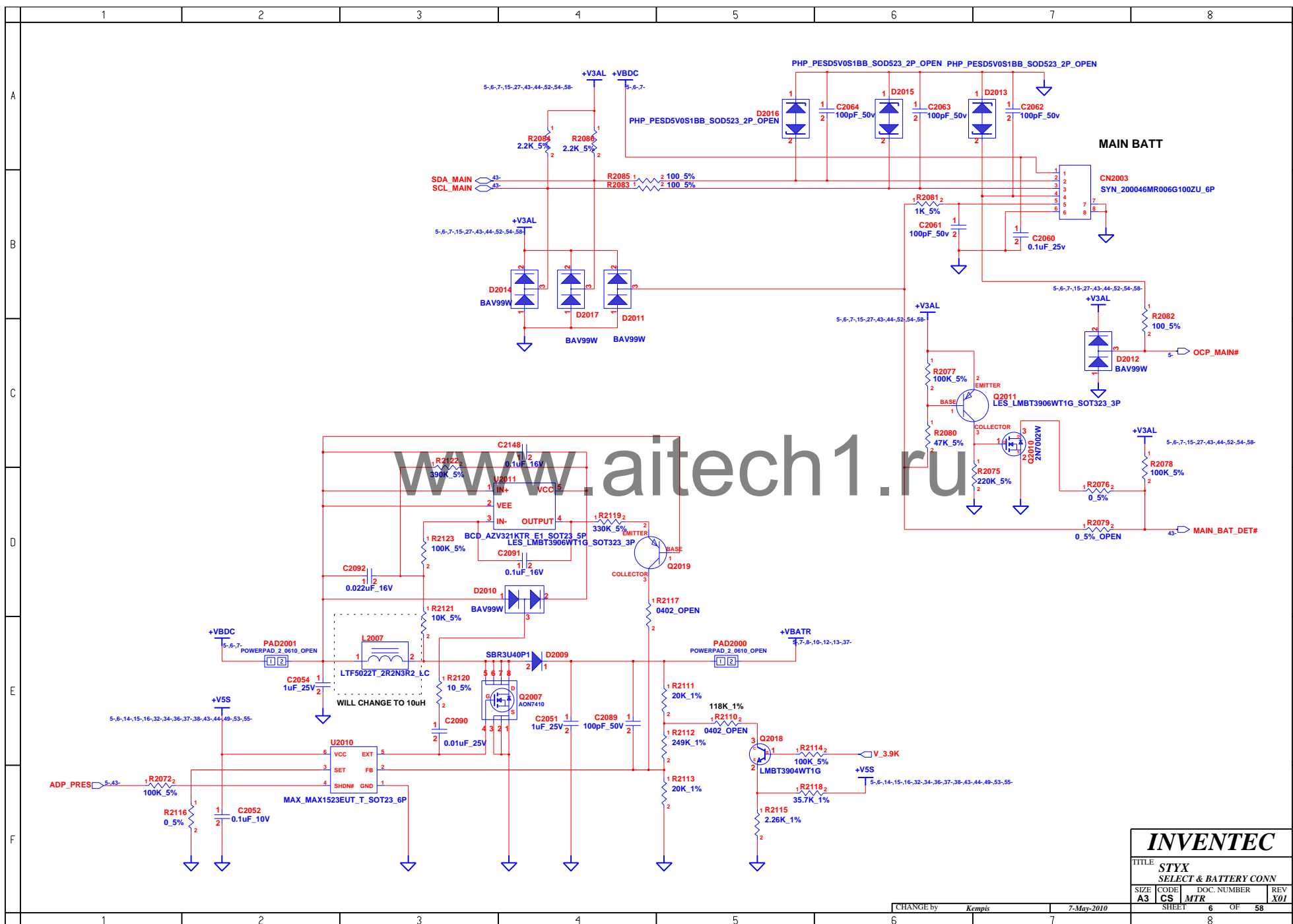
INVENTEC

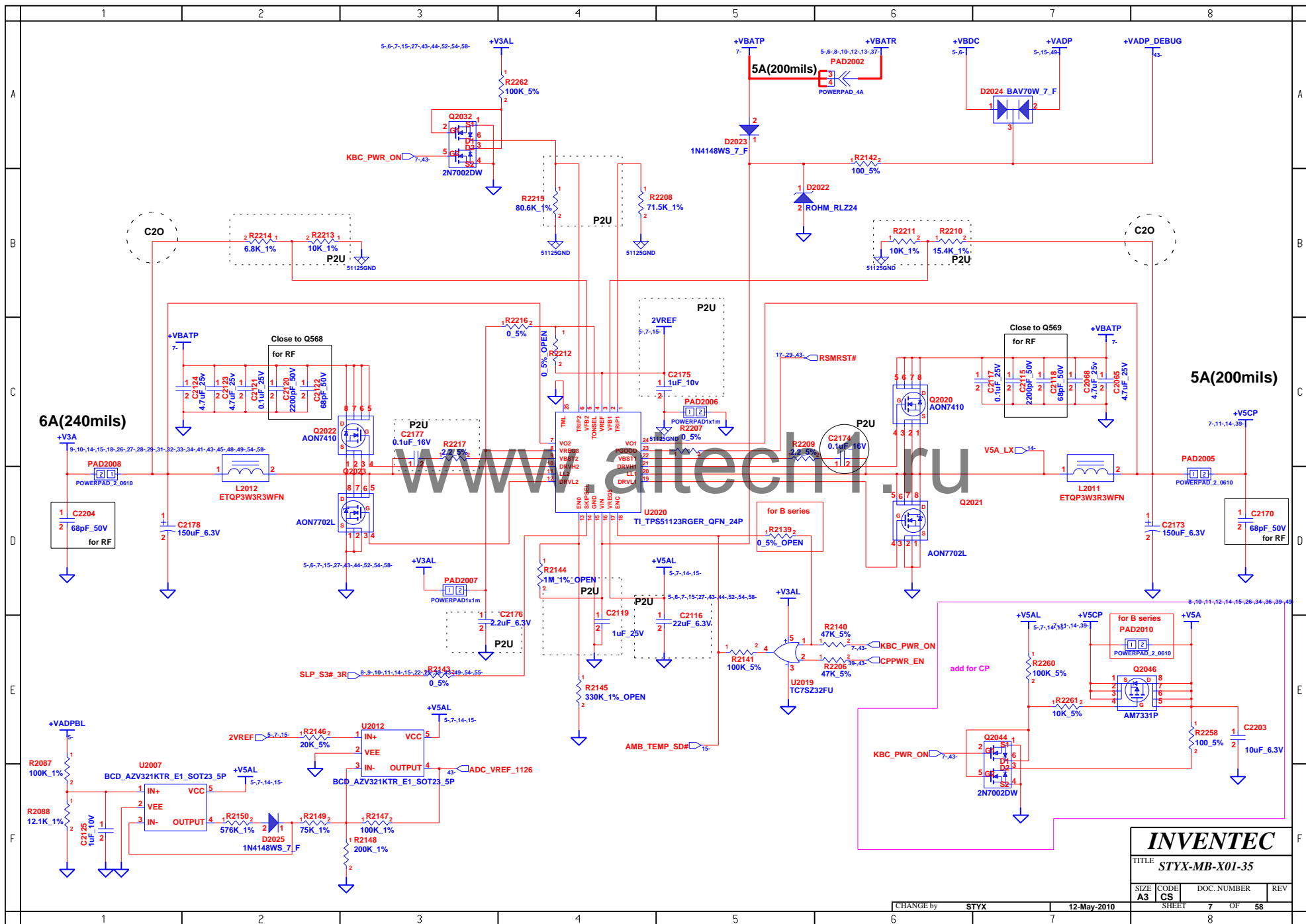
TITLE			
STYX			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01
SHEET		2	OF 58

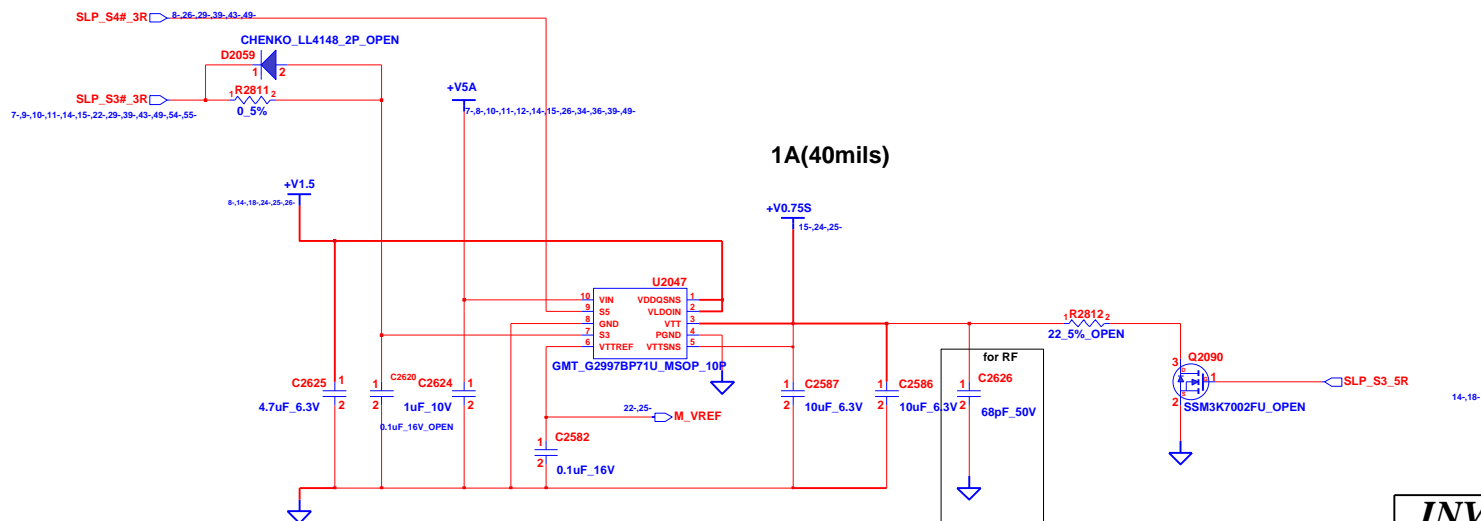
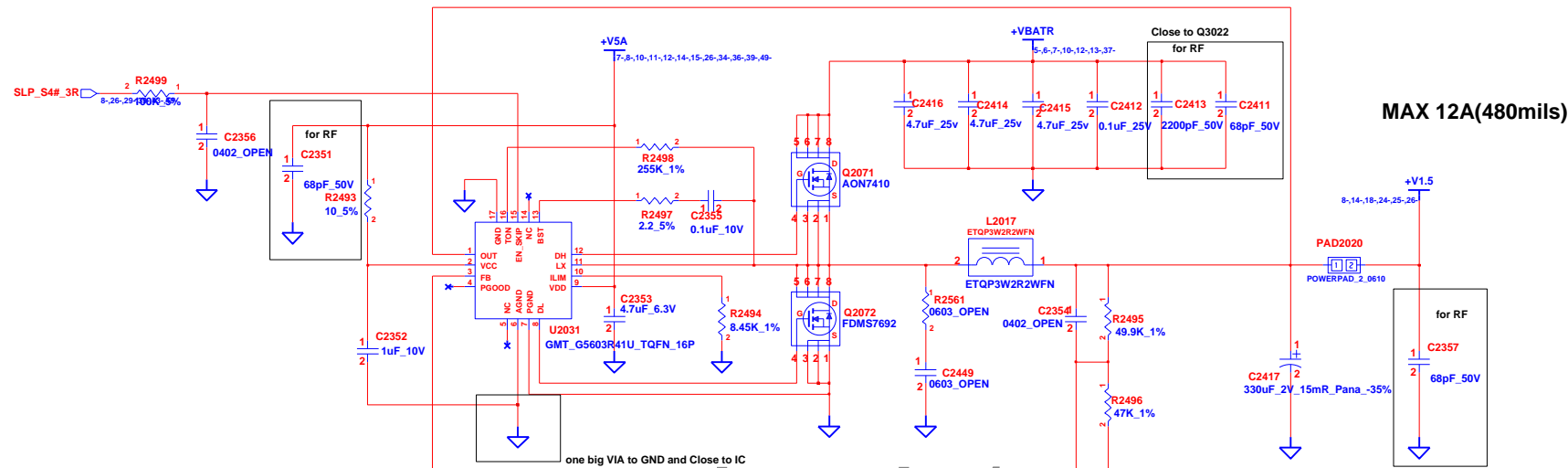
CHANGE by *Kempis* 9-Jun-2010









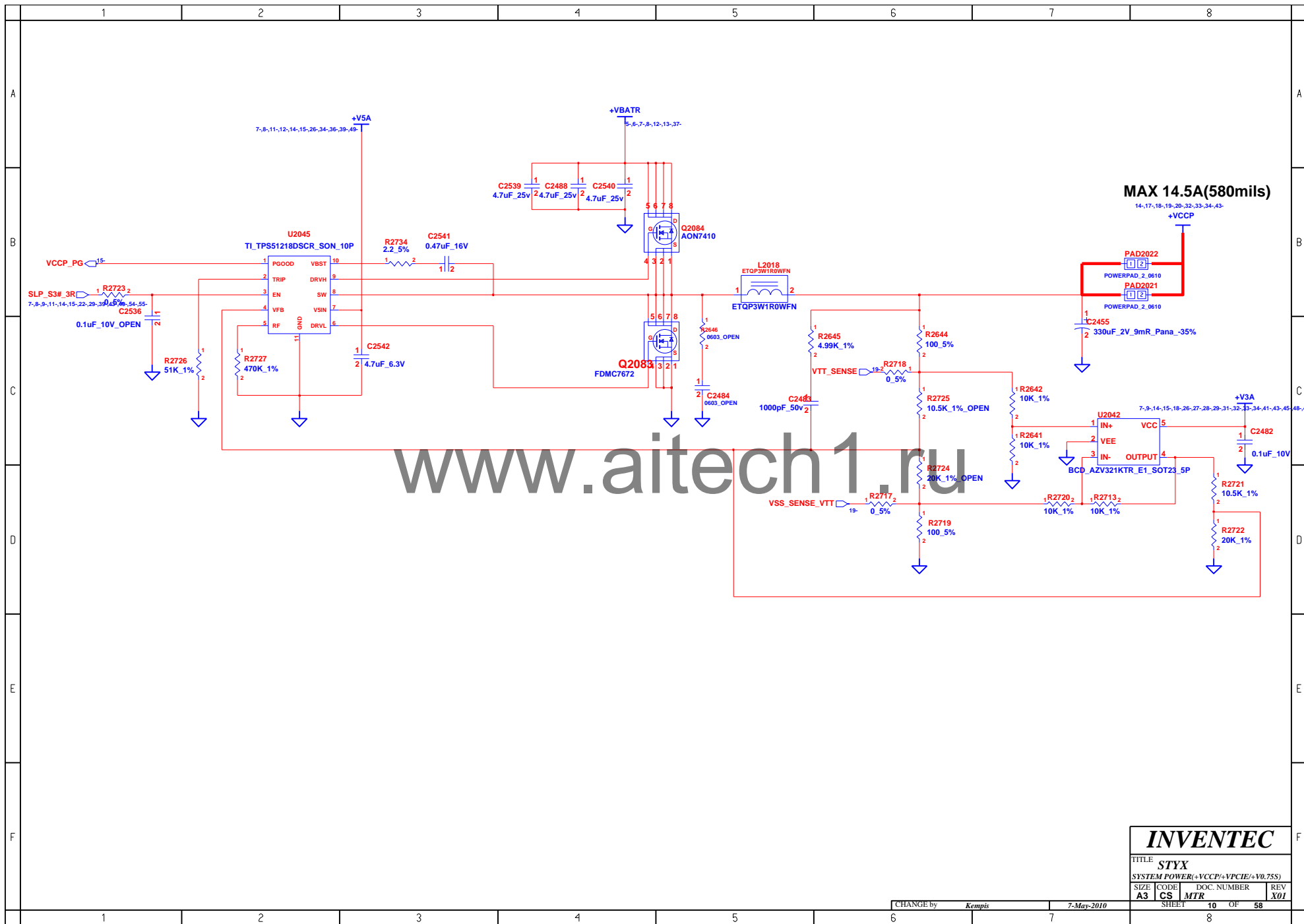


INVENTEC

TITLE			
STYX			
SYSTEM POWER(+V1.05M/+V1.5)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 8 OF 58

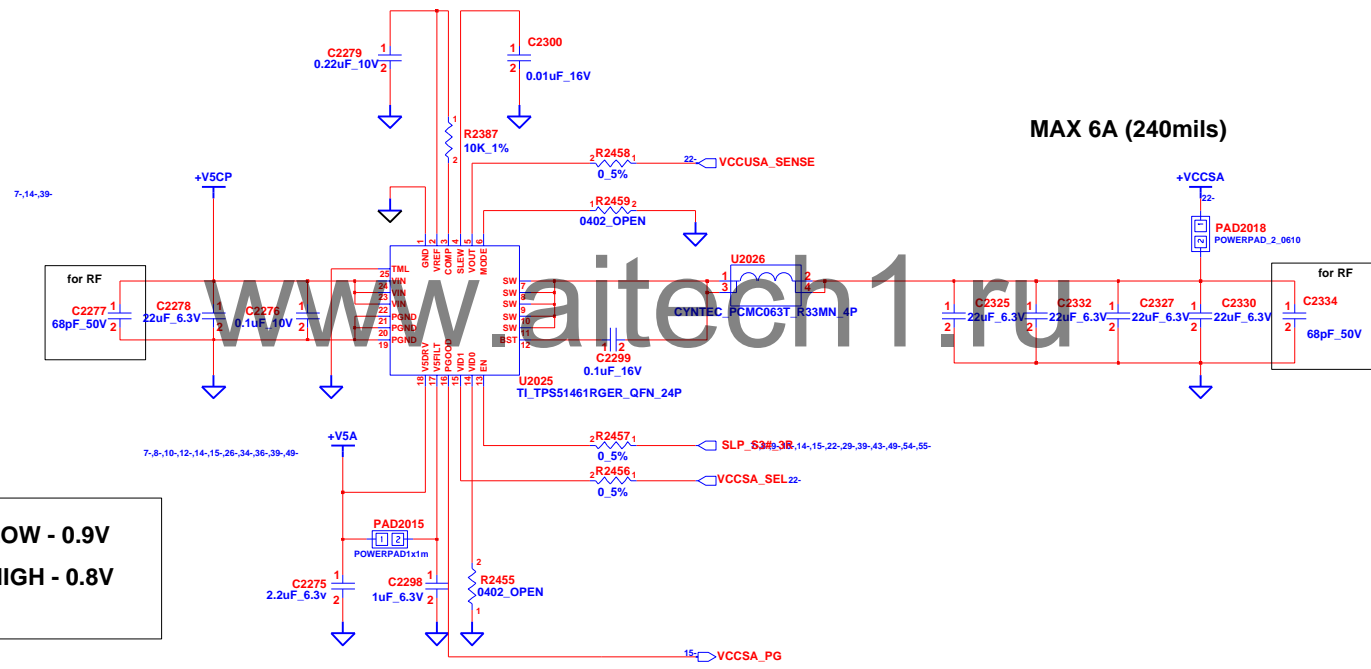


INVENTEC

TITLE			
STYX			
SYSTEM POWER(+VCCP/+VPCIE/+V0.75S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 10 OF 58



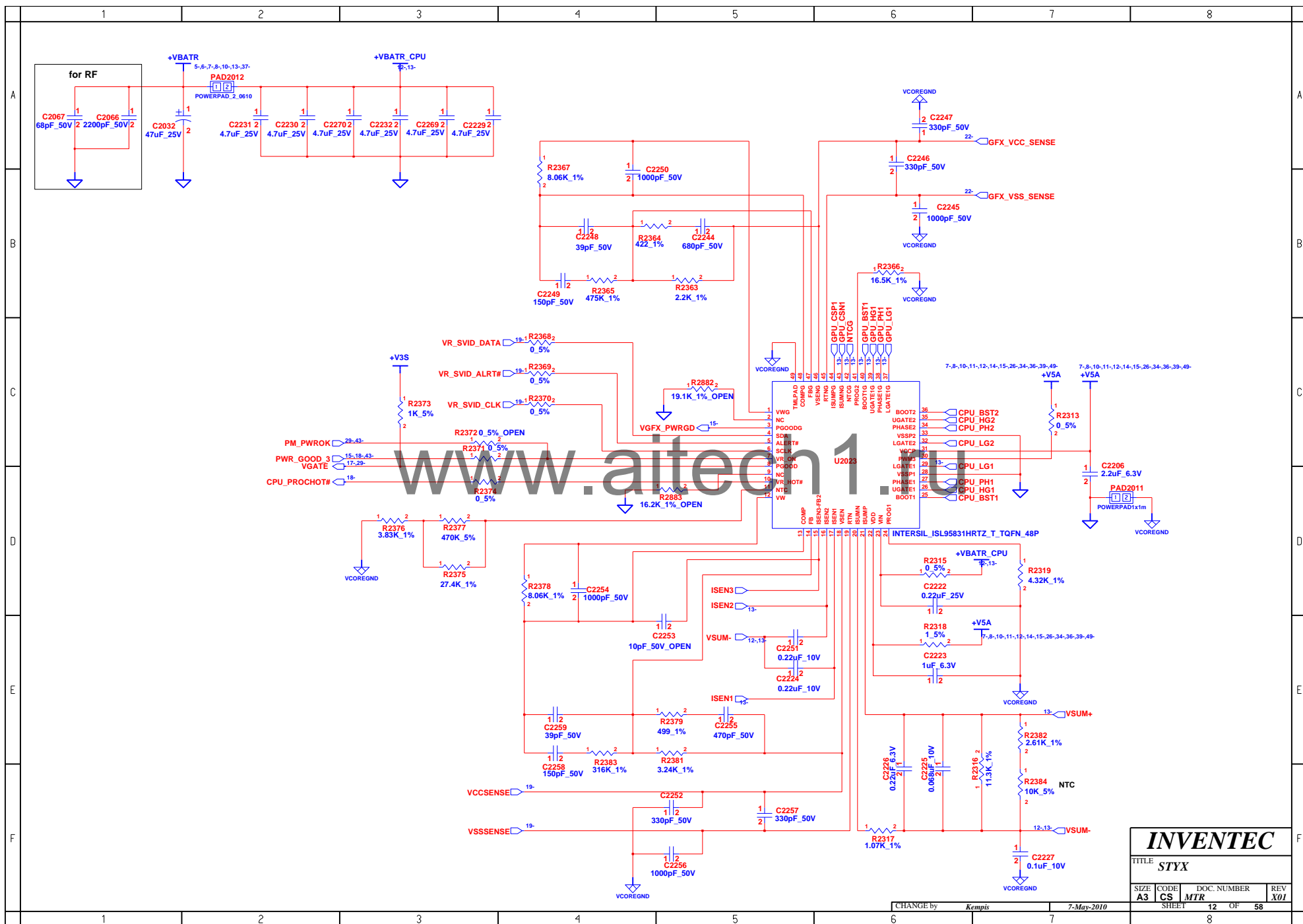
LOW - 0.9V
HIGH - 0.8V

INVENTEC

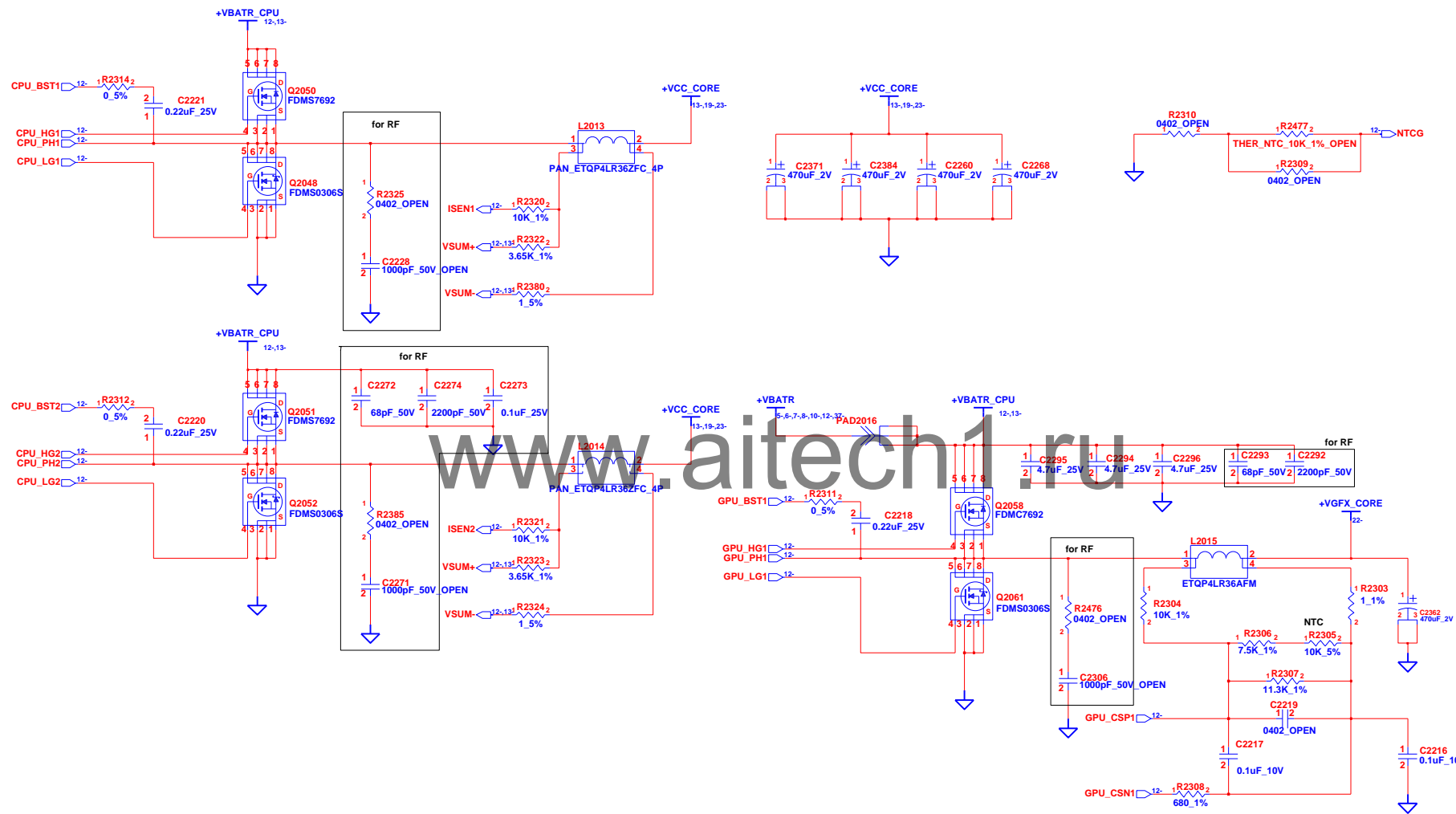
TITLE			
STYX			
CPU POWER(VCC_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 11 OF 58



VCC_CORE (SV 35W-->MAX 53A)



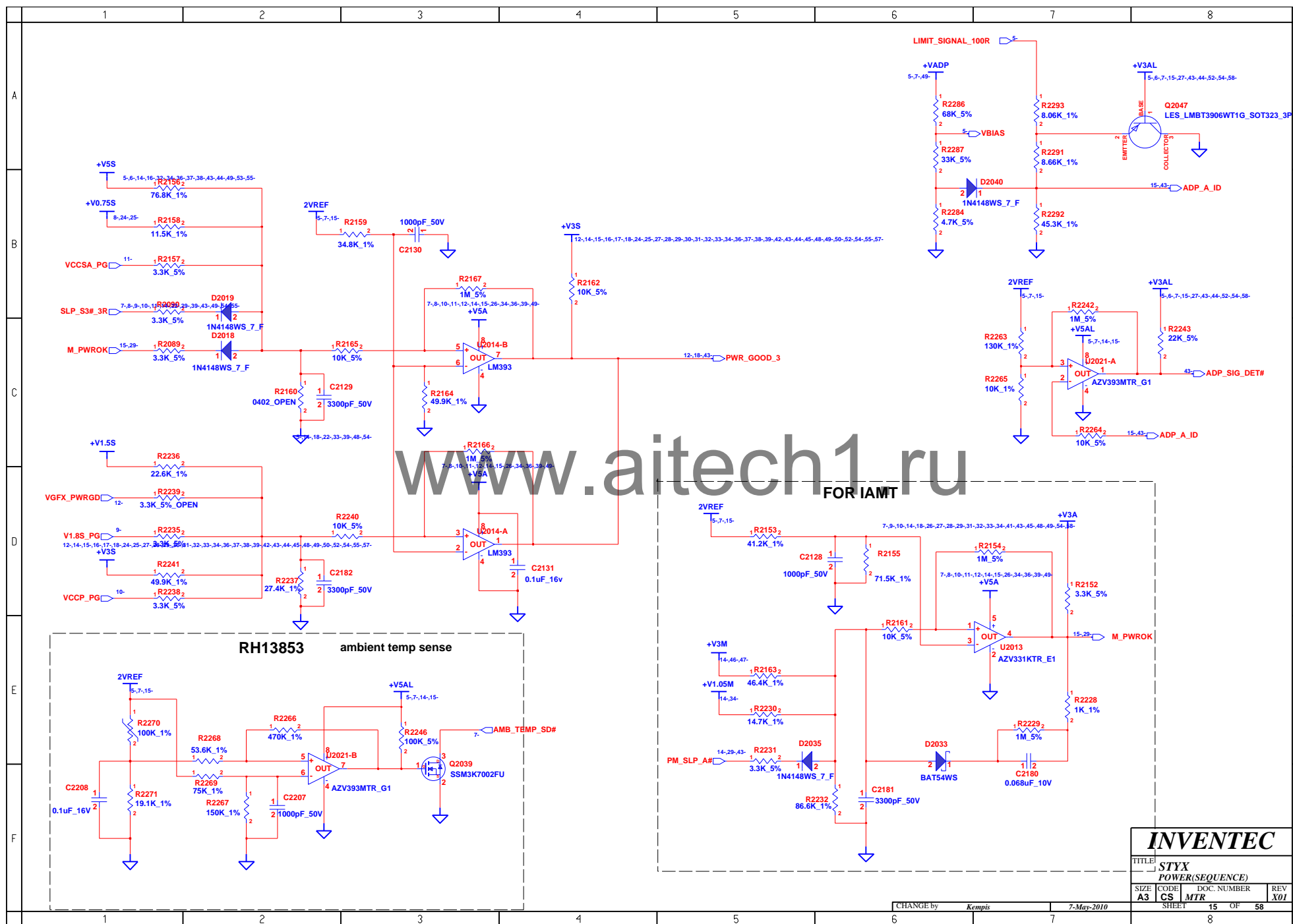
INVENTEC

TITLE
STYX

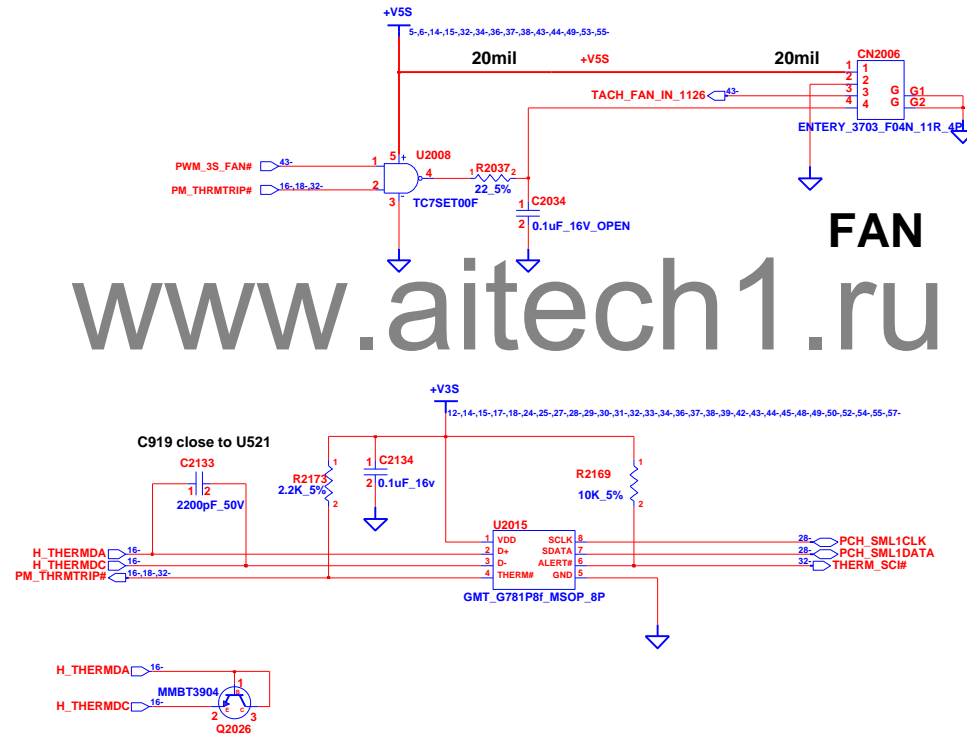
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by Kempis 7-May-2010

SHEET 13 OF 58



www.aitech1.ru



THERM SENSOR

INVENTEC

TITLE STYX
THERMAL & FAN CONTROLLER

SIZE A3 CODE CS DOC. NUMBER MTR REV X01

CHANGE by Kempis 7-May-2010

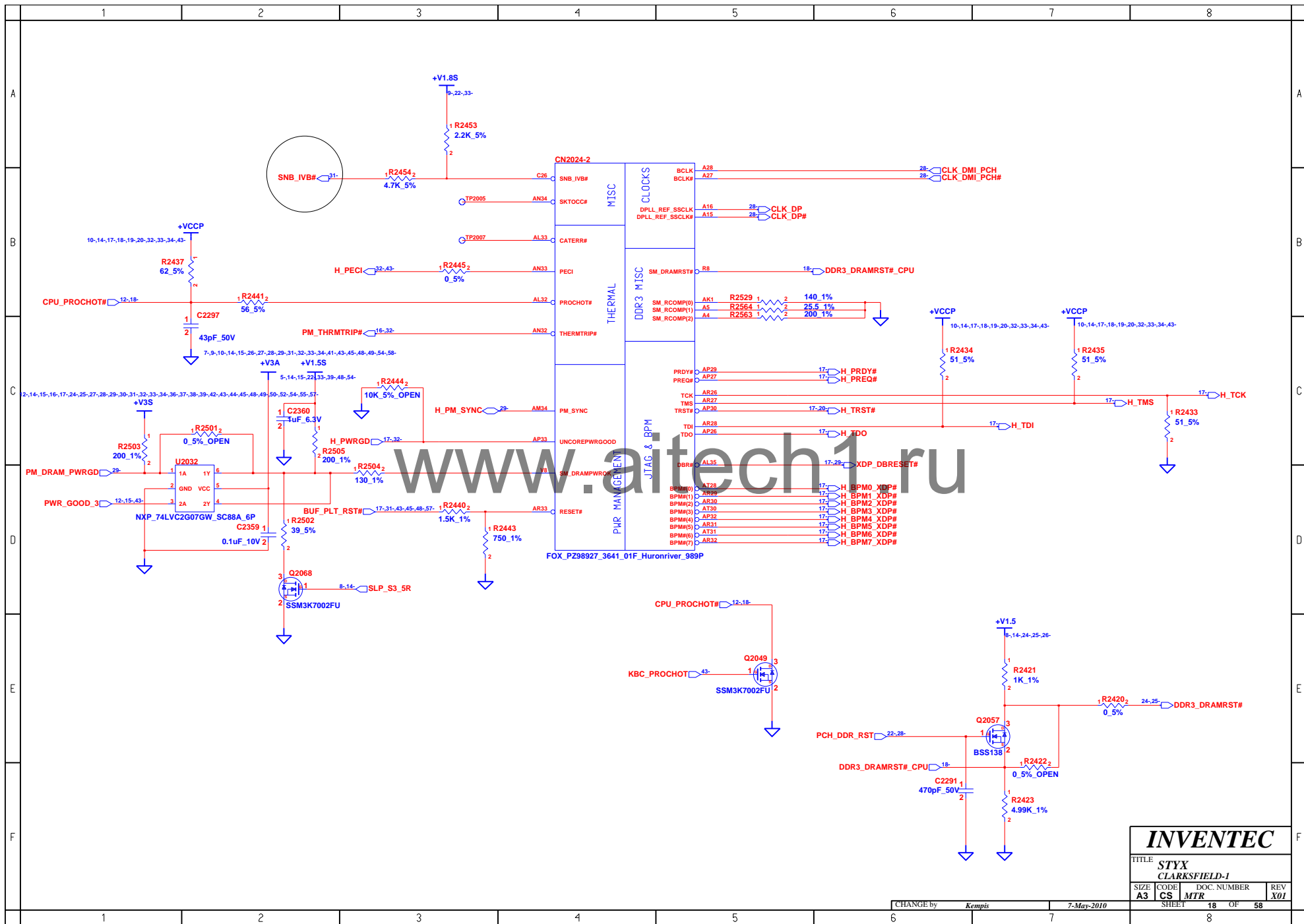
SHEET 16 OF 58



www.aitech1.ru



17	OF	5
8		

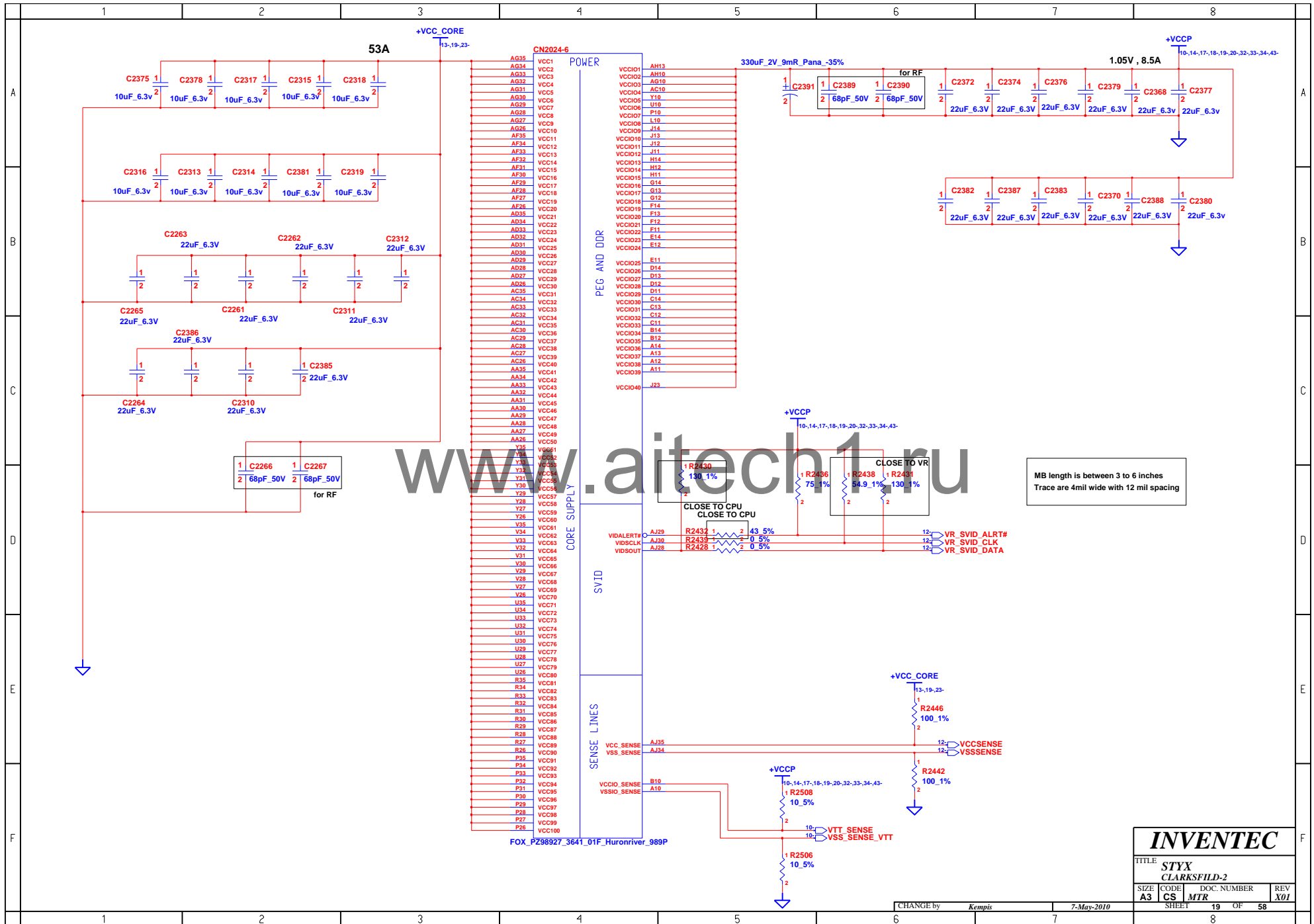


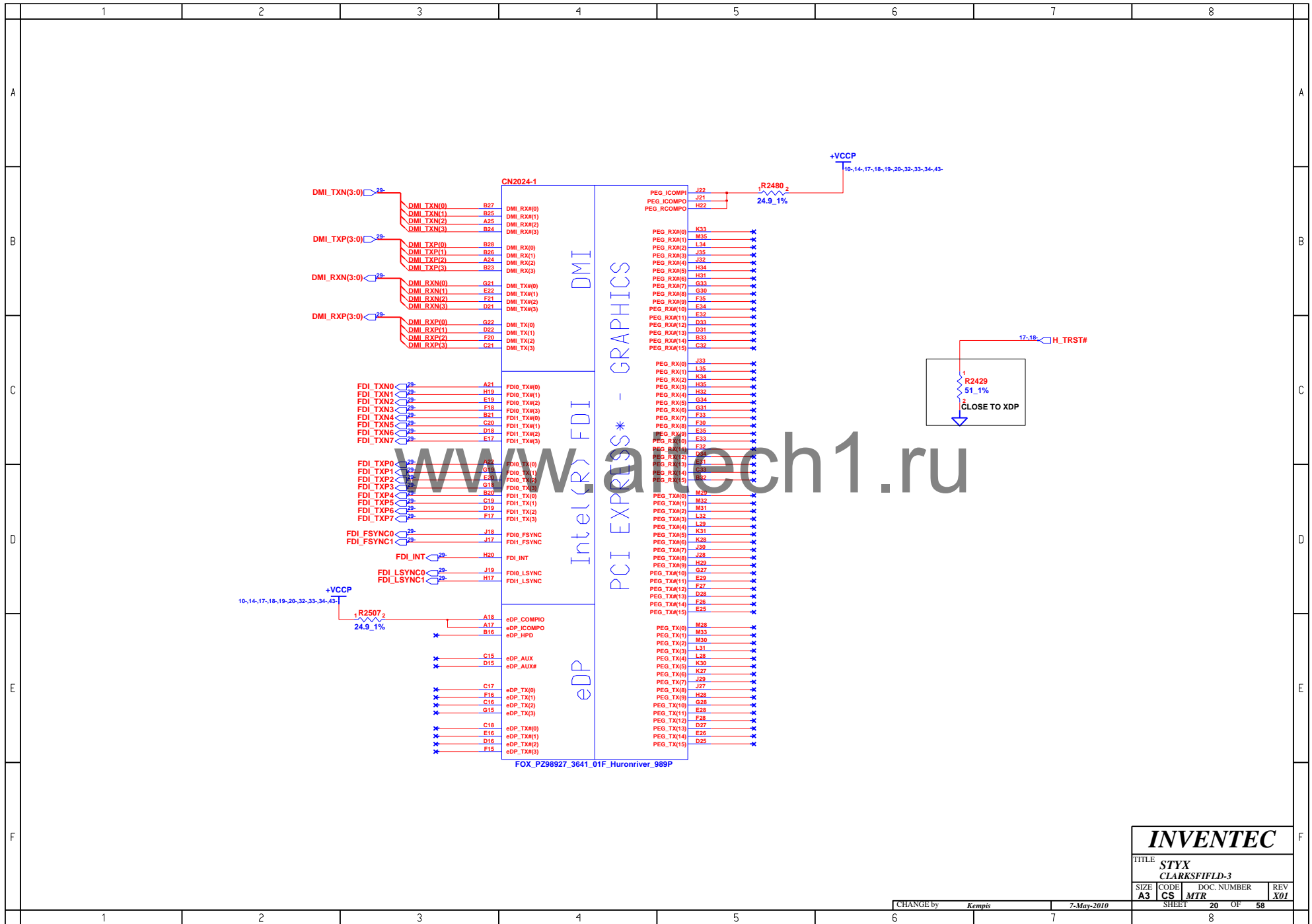
INVENTEC

TITLE			
STYX CLARKSFIELD-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 18 OF 58



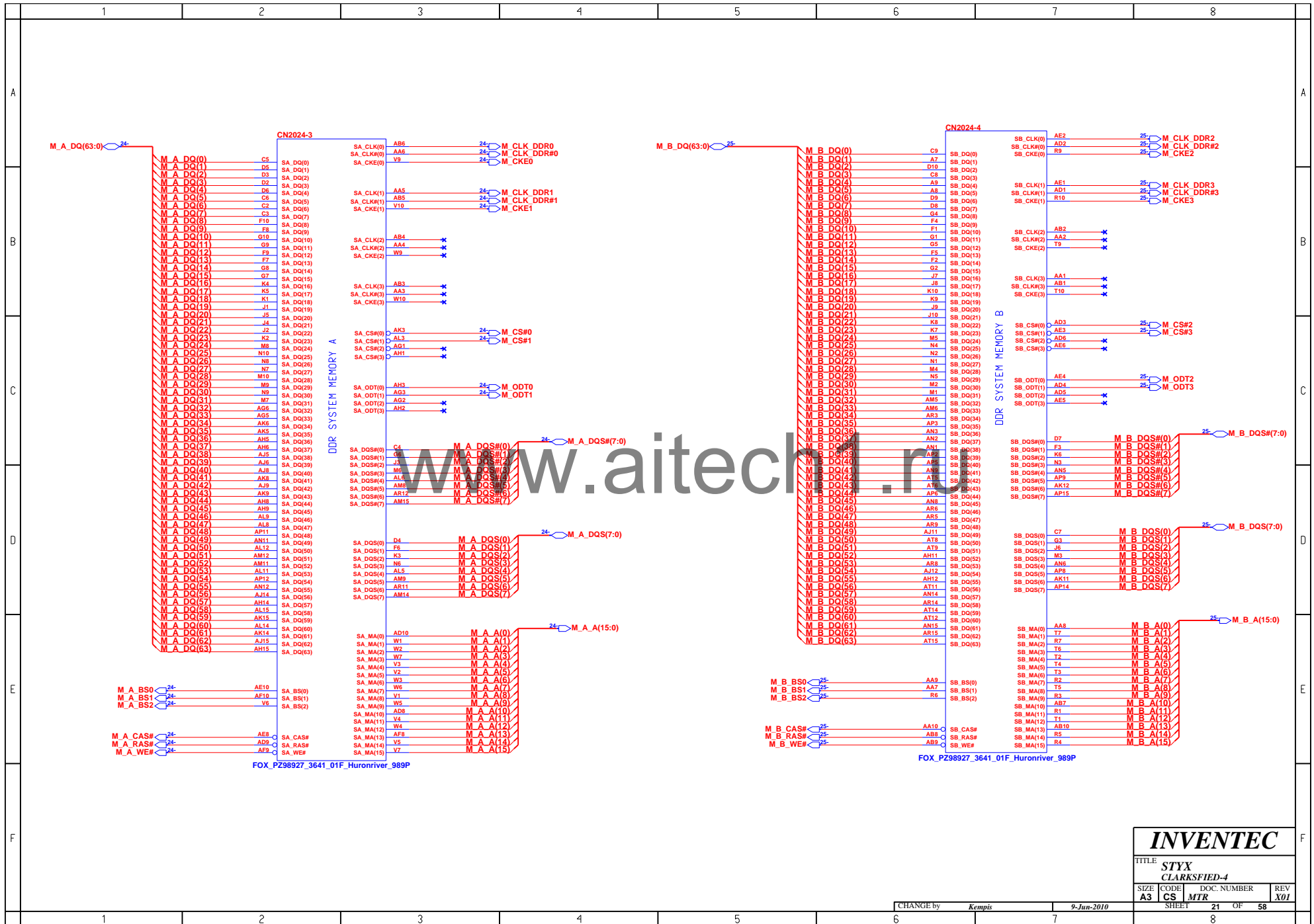


INVENTEC

TITLE			
STYX CLARKSFILF-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 20 OF 58



INVENTEC

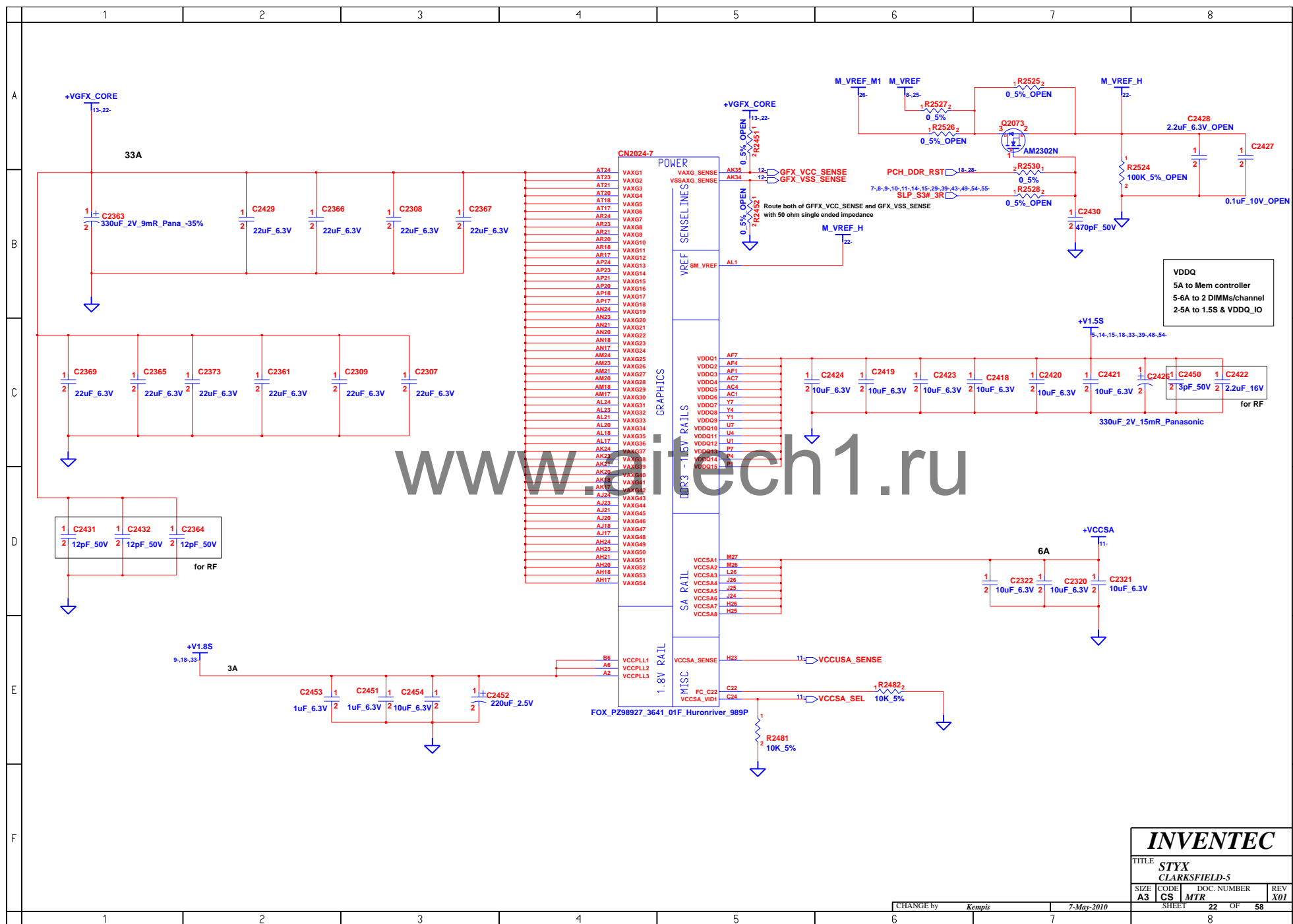
TITLE
STYX
CLARKSFIED-4

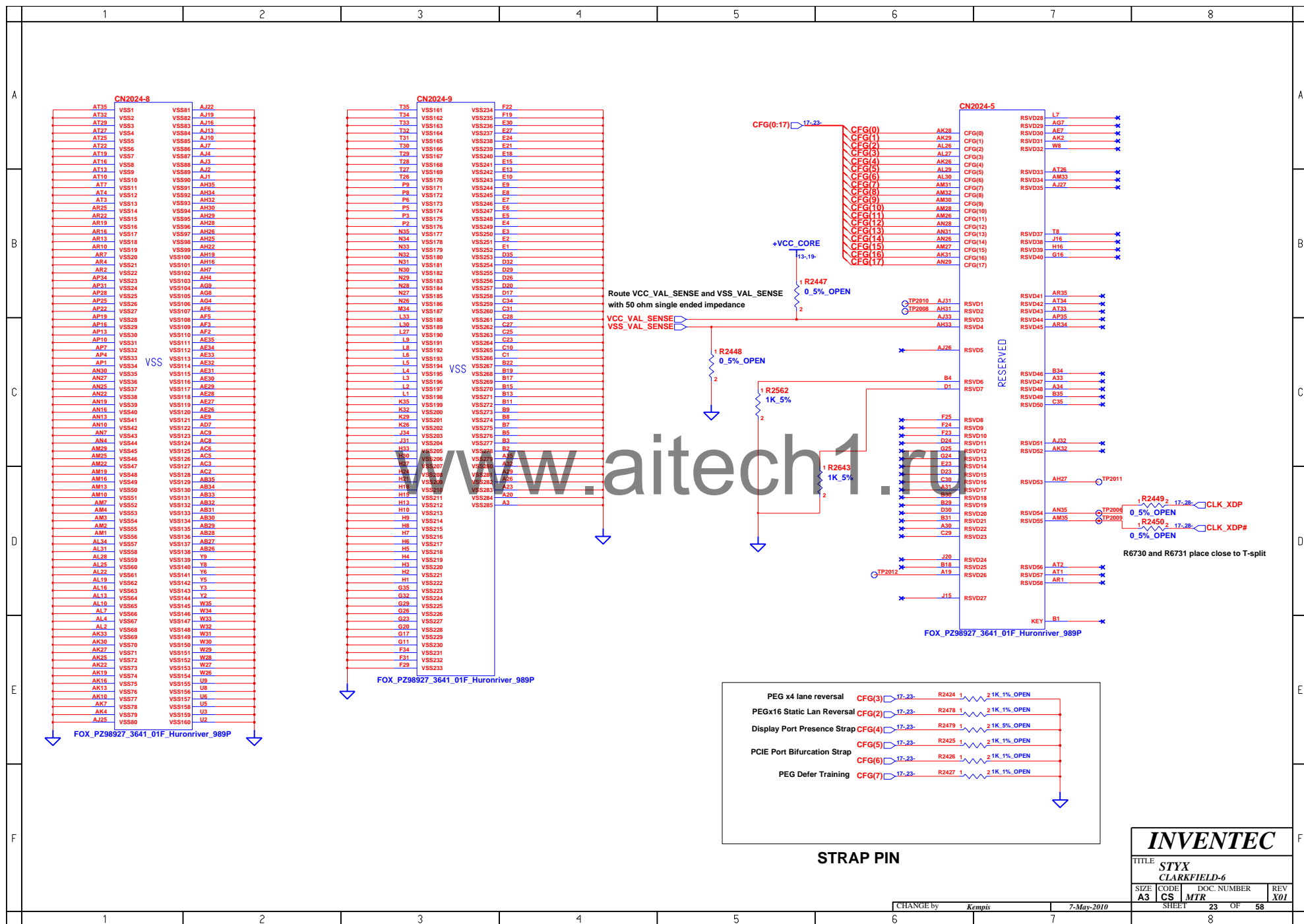
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

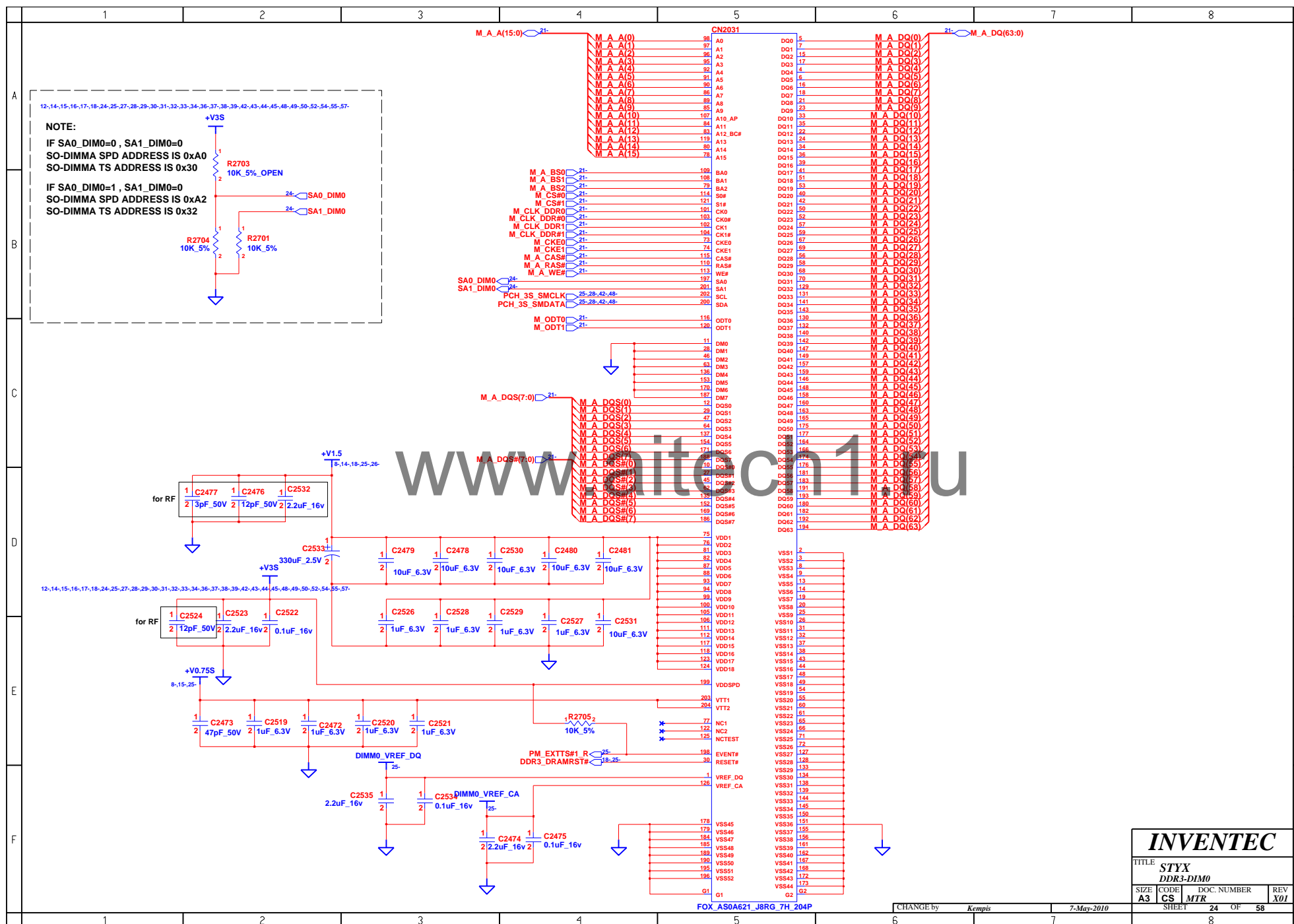
CHANGE by Kempis

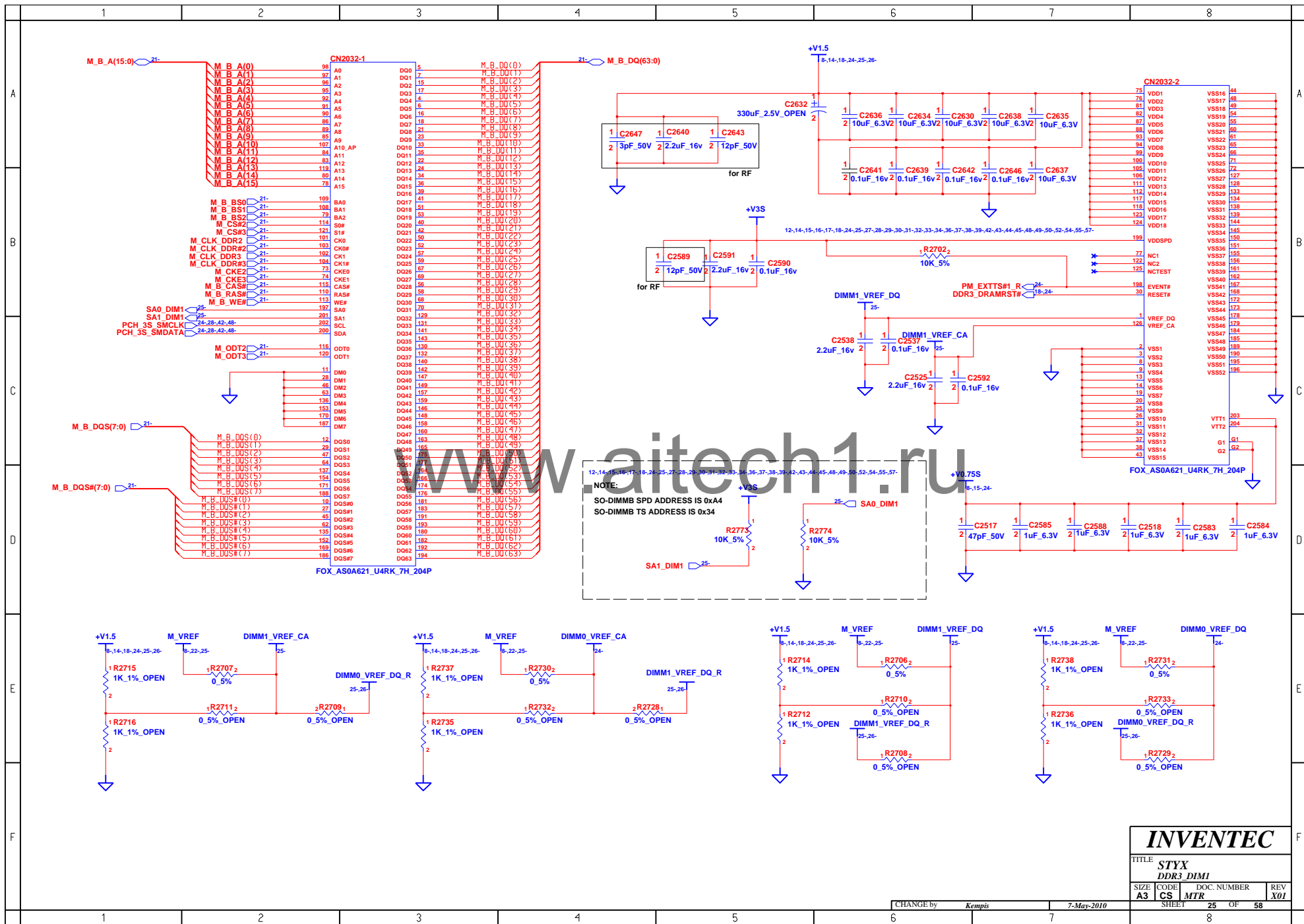
9-Jun-2010

SHEET 21 OF 58




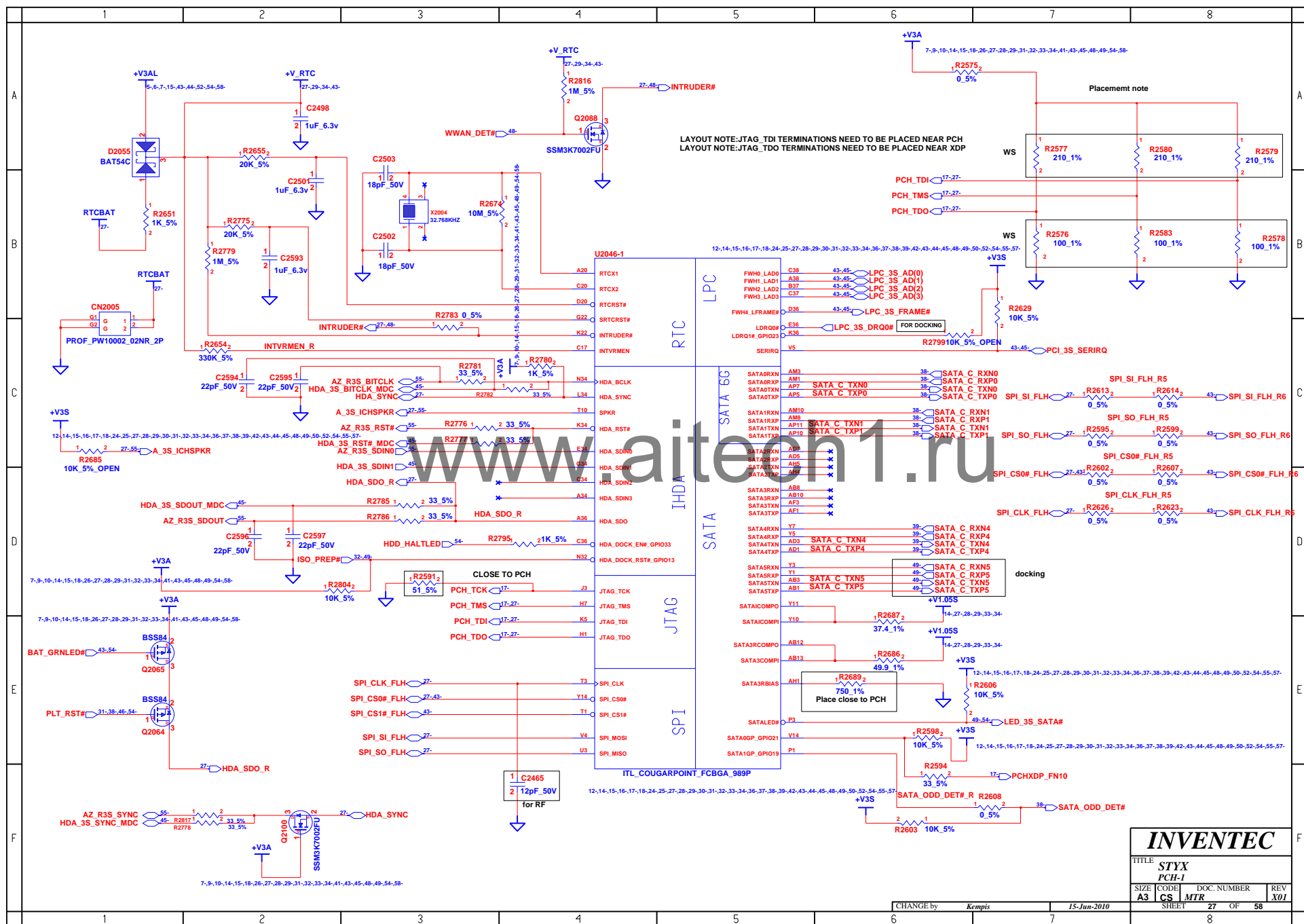


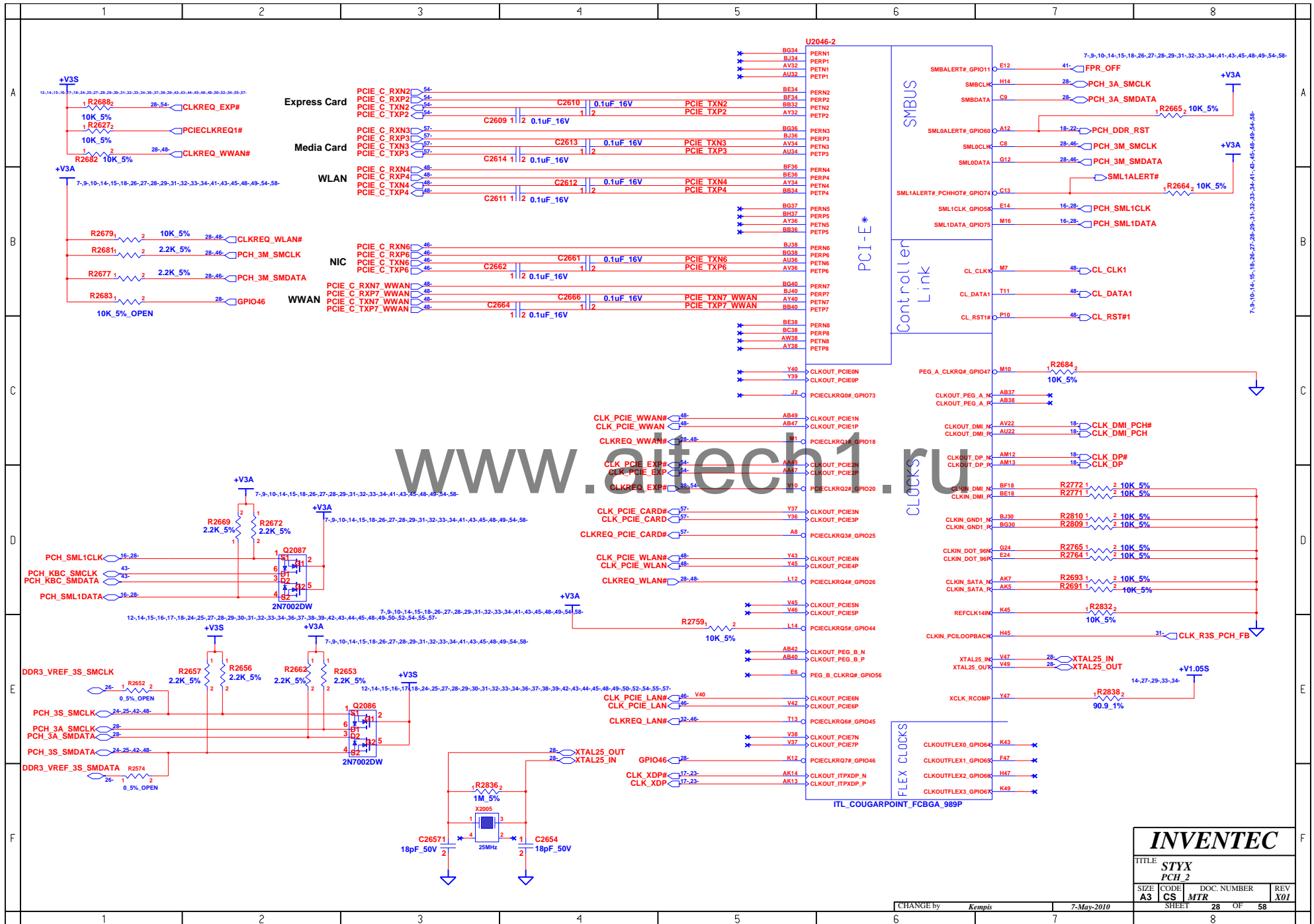




T

EE		DATE		POWER		DATE			
DRAWER									
DESIGN									
CHECK									
RESPONSIBLE									
SIZE = 3 FILE NAME: XXXX-XXXXXX-XX P/N XXXXXXXXXXXX								TITLE STYX M1, M2	
VER:				SIZE A3		CODE CS		DOC. NUMBER MTR	
				SHEET		26		OF 58	

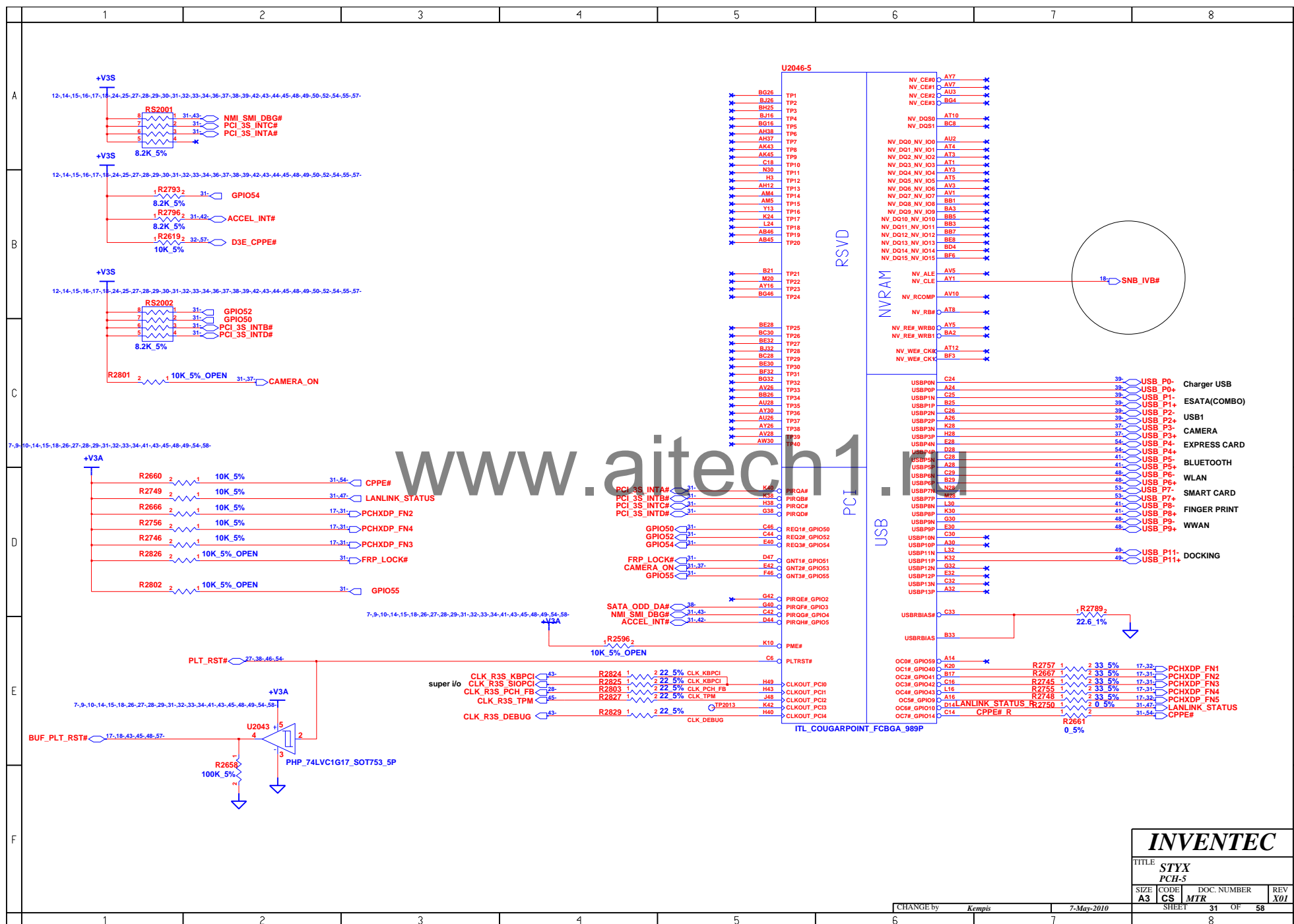


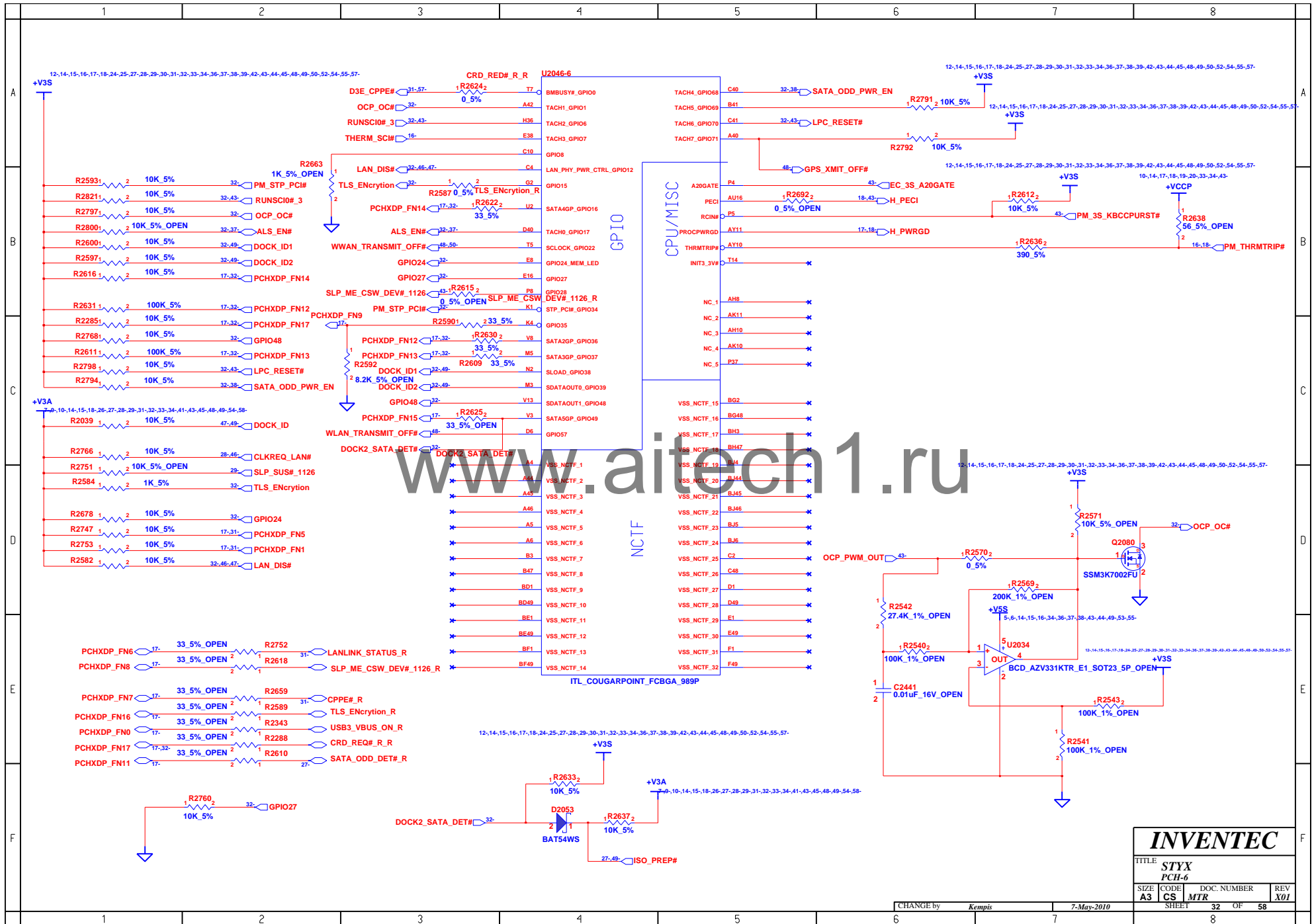


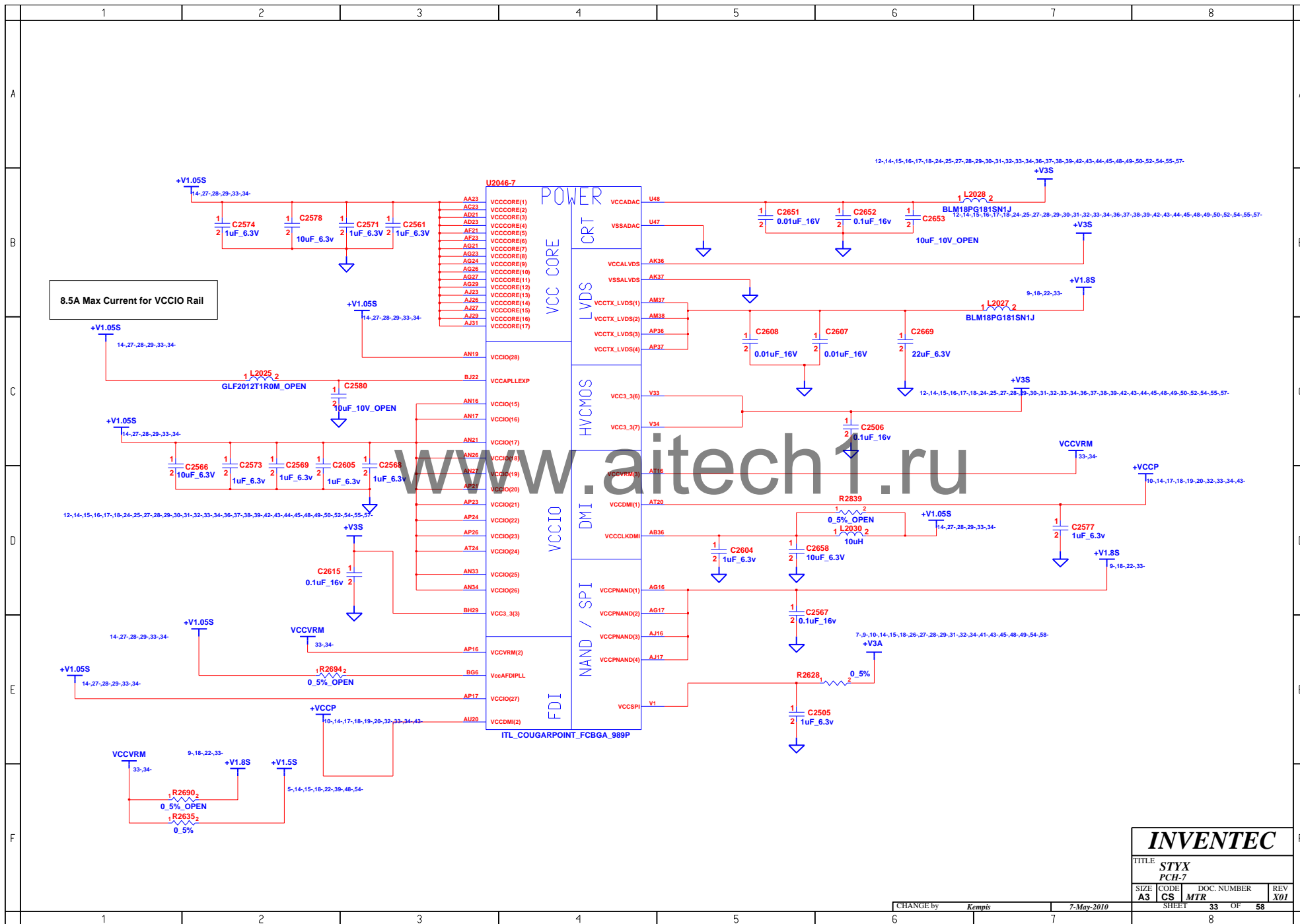
1

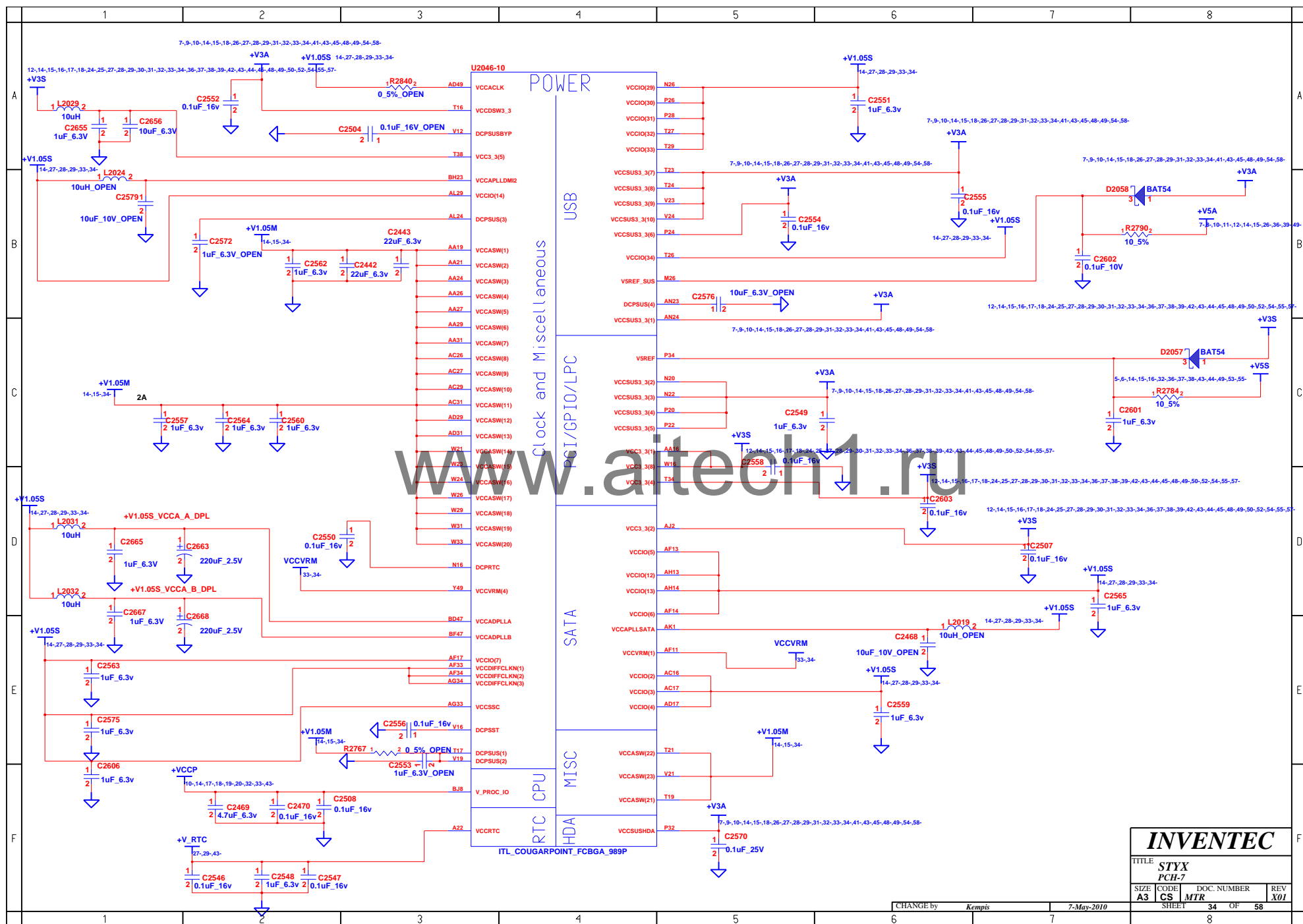


58	61	79
♀		









U2046-8

U2046-9

www.aitec.ru

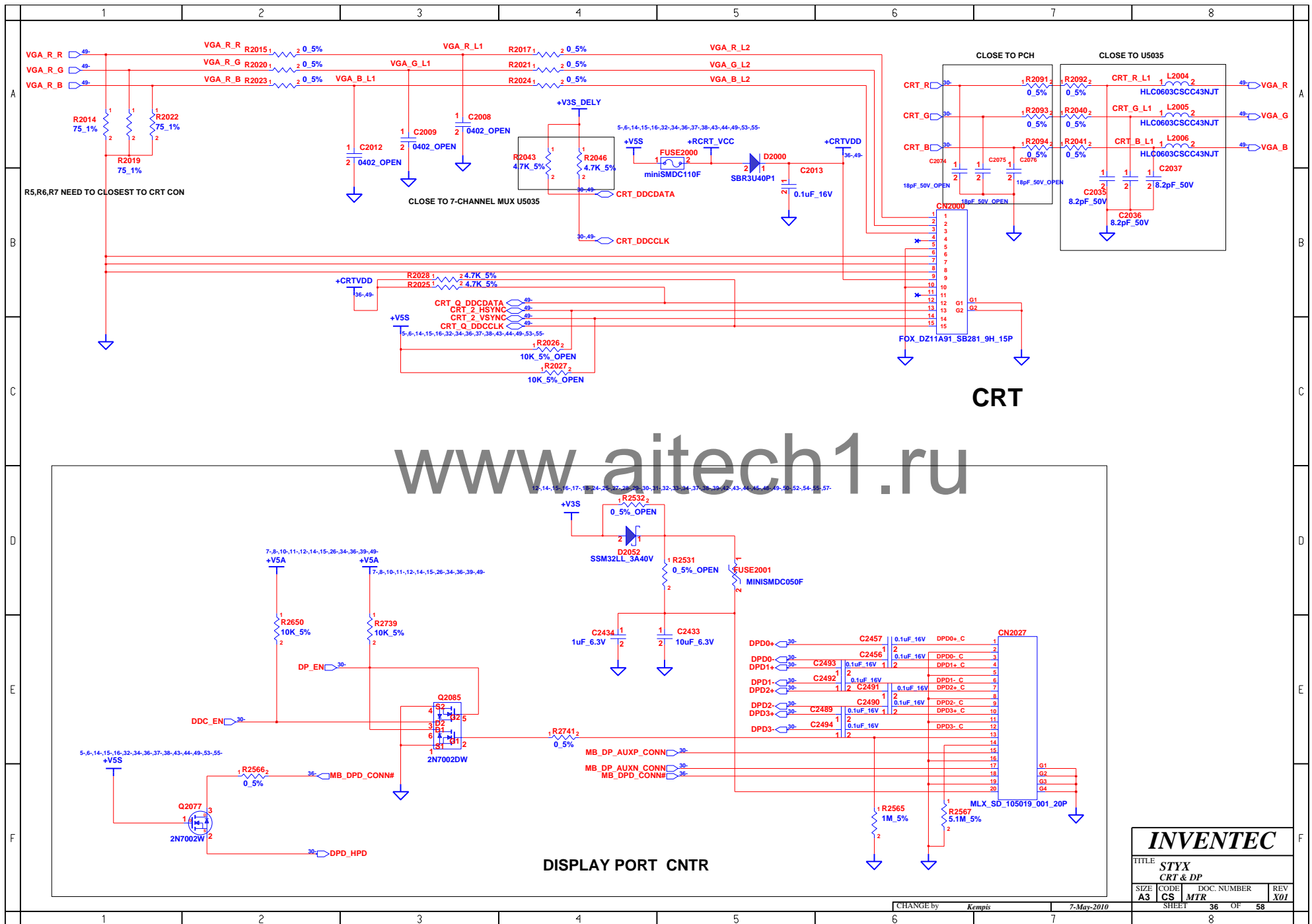
ITL COUGARPOINT_FCBGA_989P

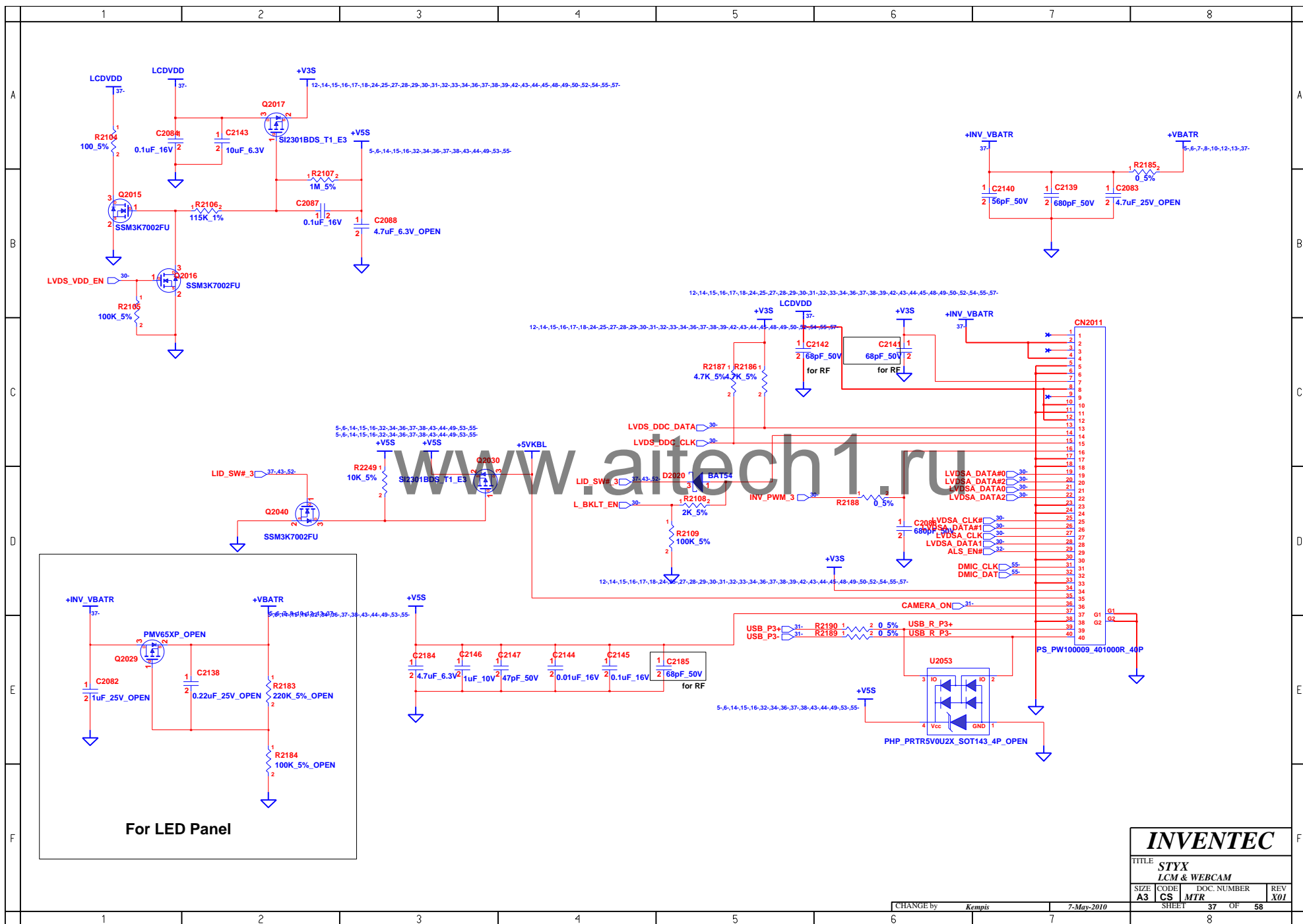
ITL COUGARPOINT_FCBGA_989P

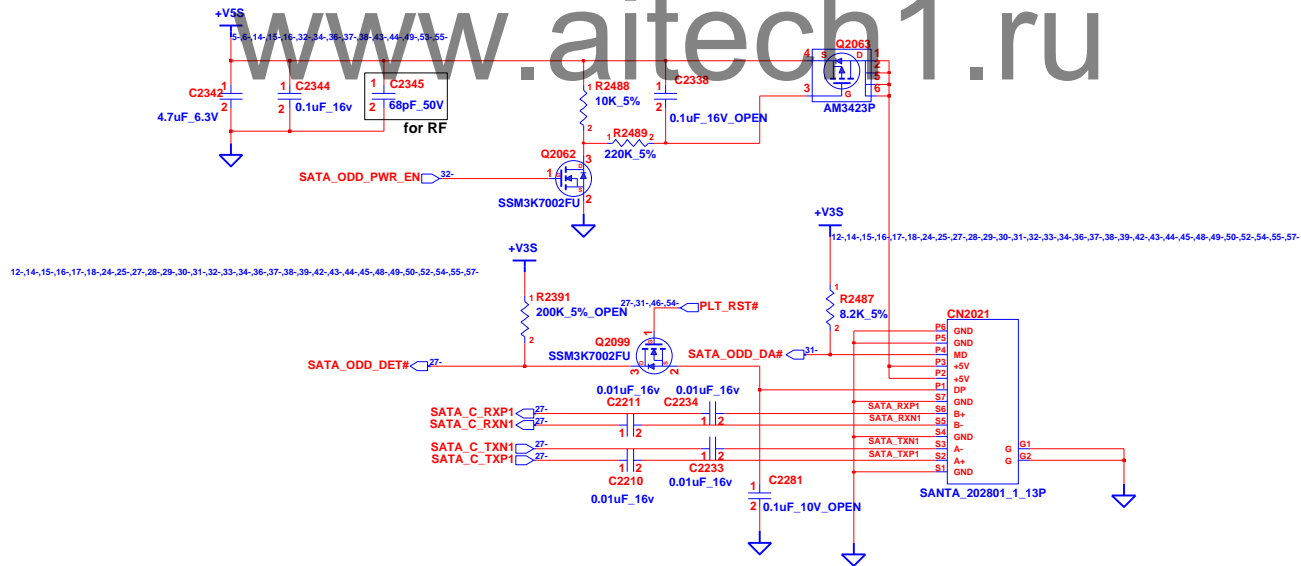
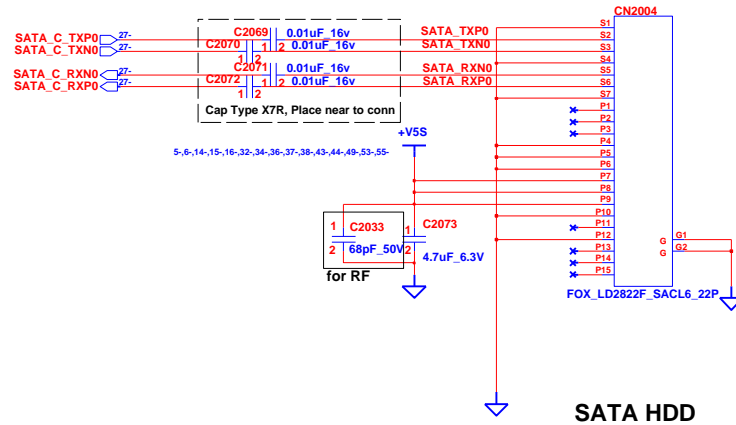
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by Kempis 7-May-2010

SHEET 35 OF 58





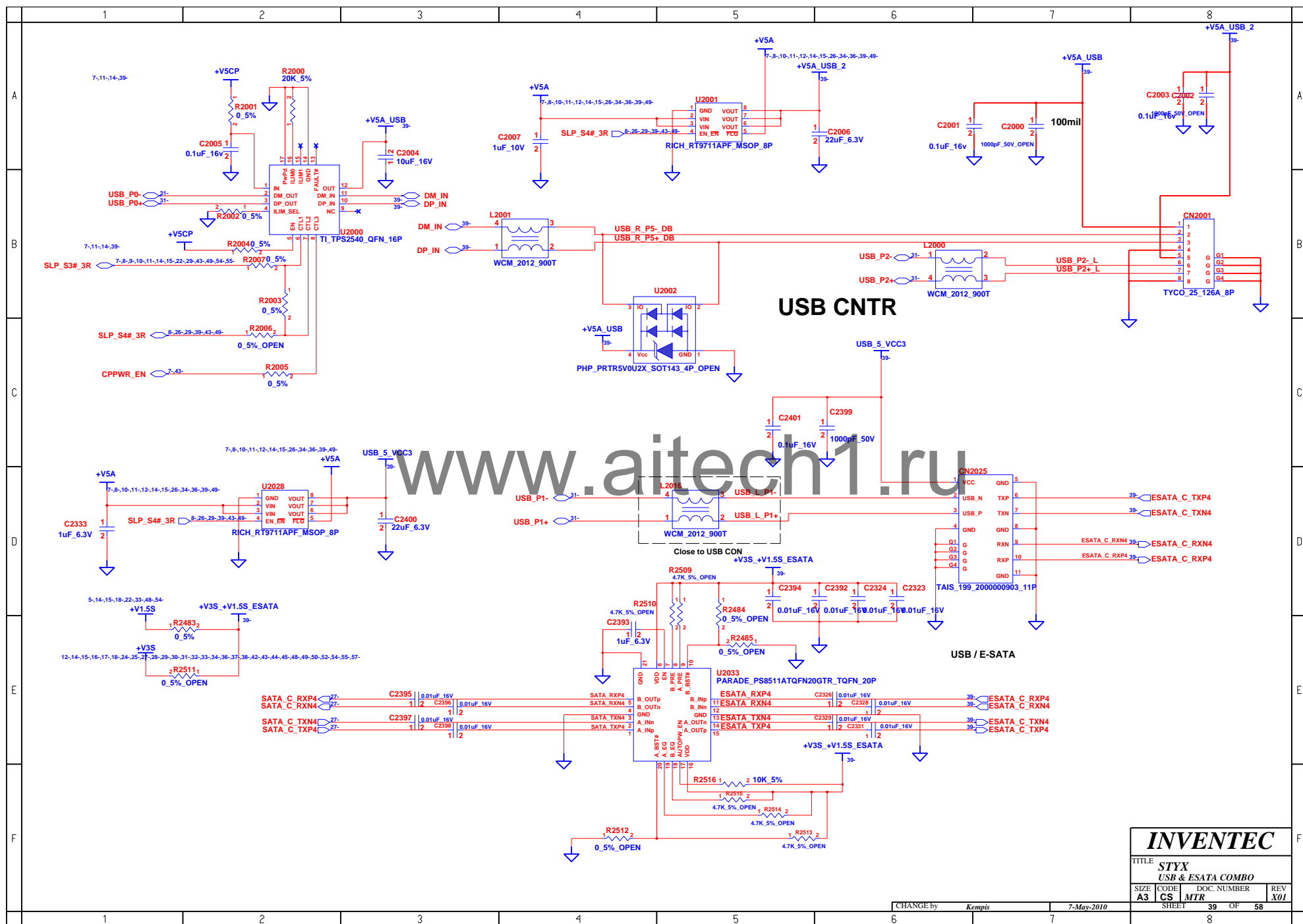


SATA ODD

INVENTEC

TITLE			
STYX			
SATA HDD & ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01
SHEET		38	OF 58

CHANGE by *Kempis* 7-May-2010

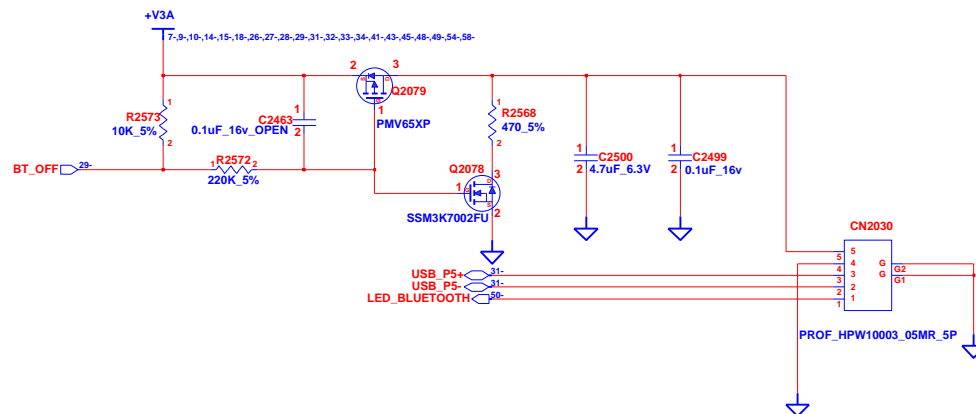


	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

www.aitech1.ru

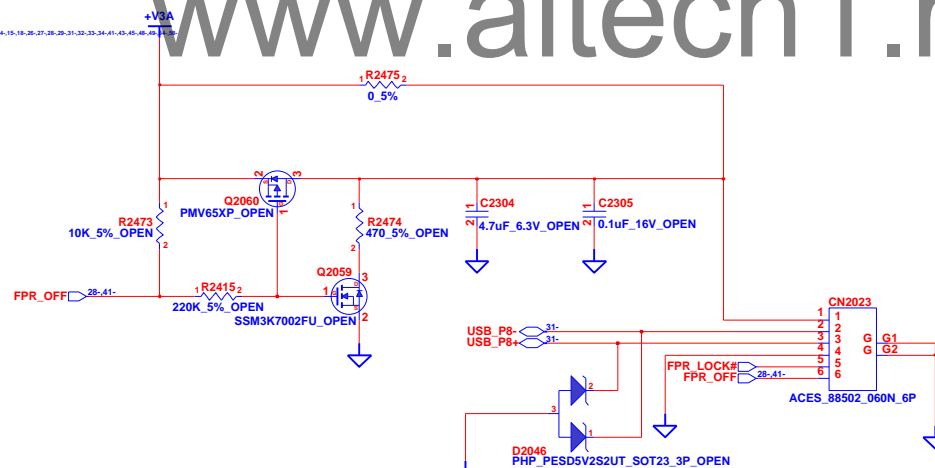
INVENTEC			
TITLE STYX			
MTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01
SHEET		40	OF 58

CHANGE by *Kempis* 5-Jul-2010



BLUETOOTH

www.aitech1.ru



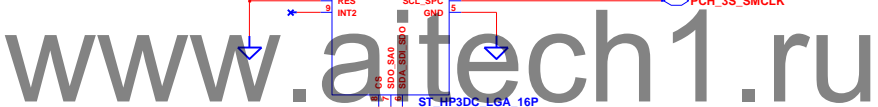
FINGER PRINTER CNTR

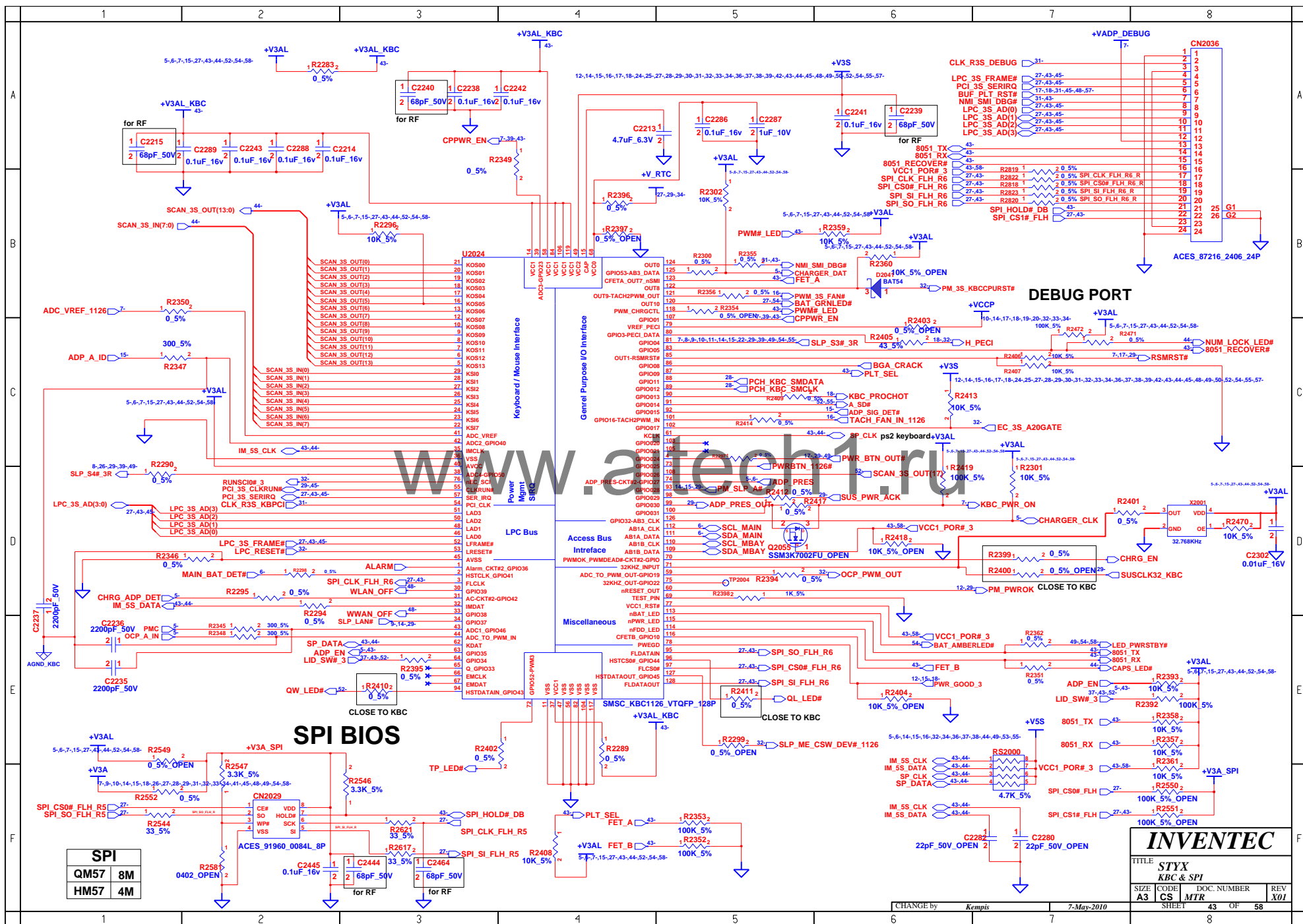
INVENTEC

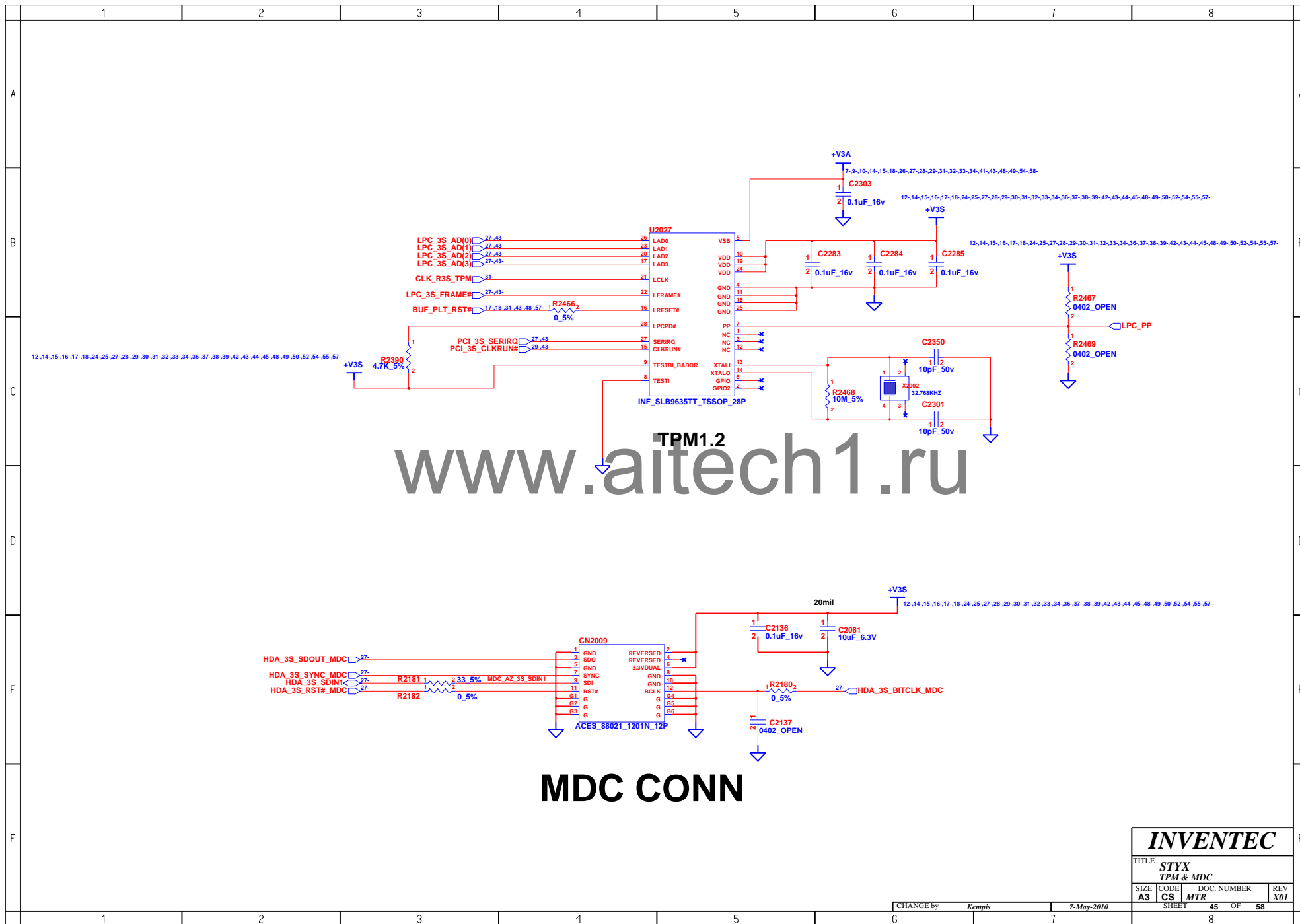
TITLE			
STYX			
BLUETOOTH & FINGER PRINTER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

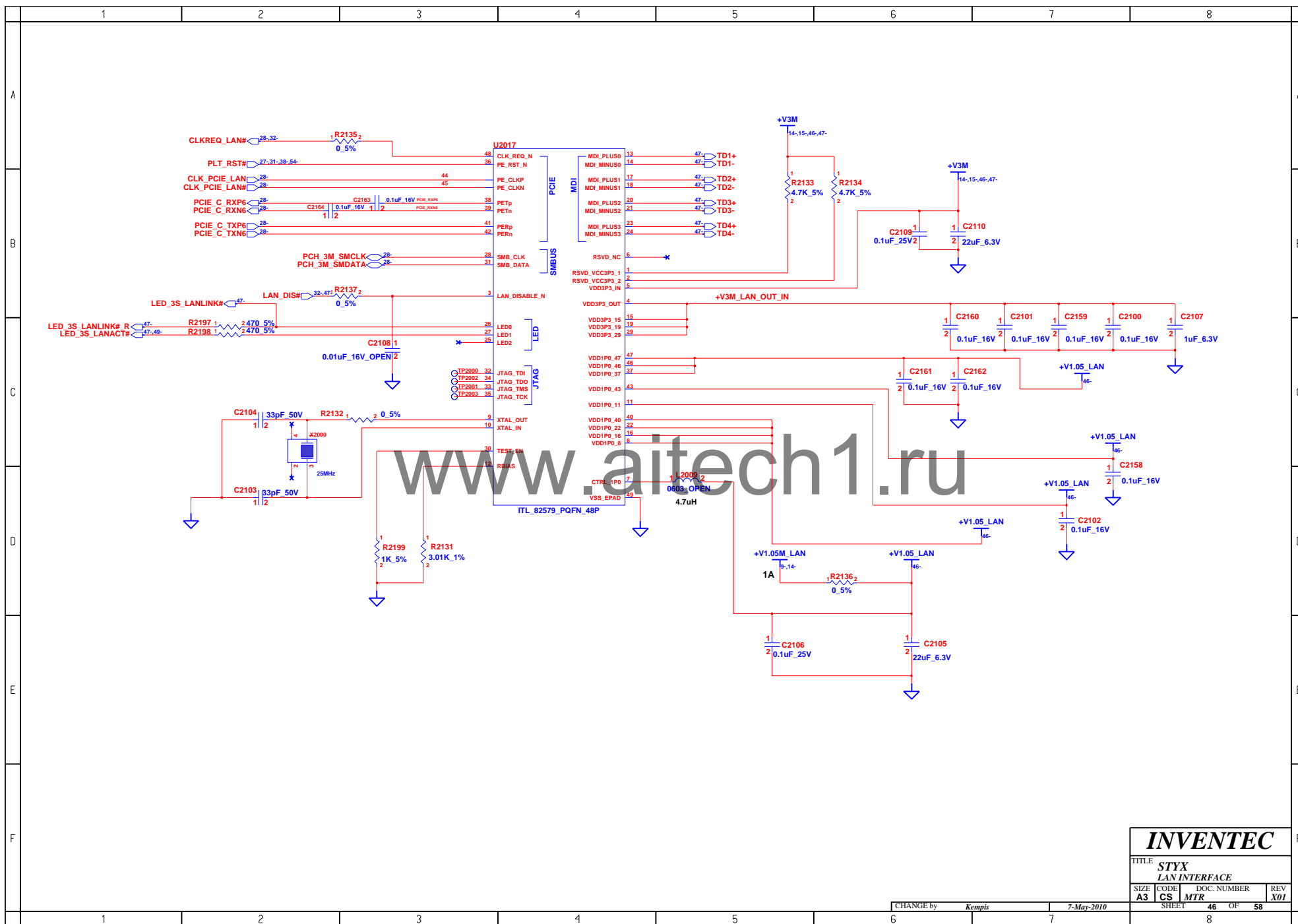
CHANGE by *Kempis* 7-May-2010

SHEET 41 OF 58







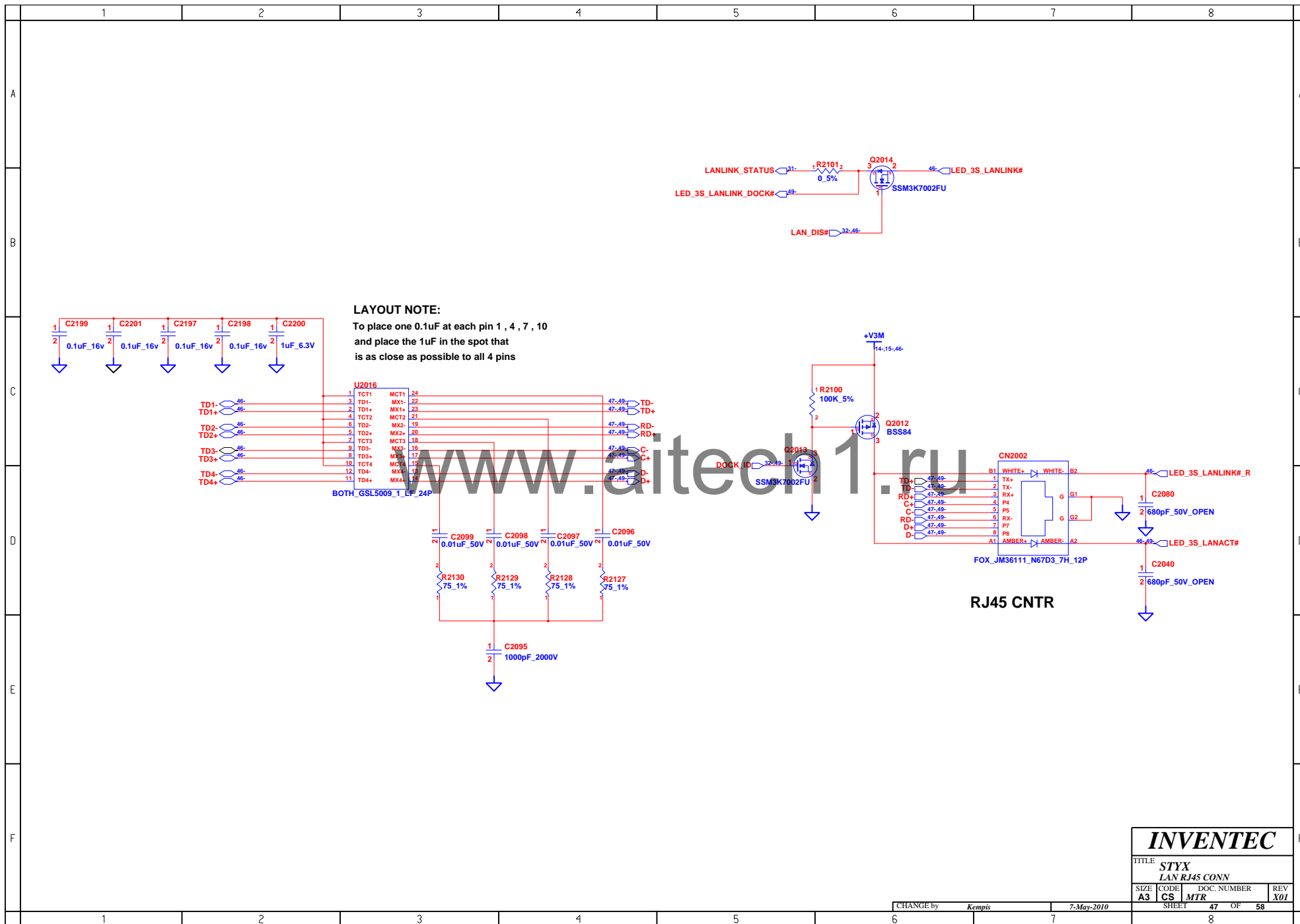


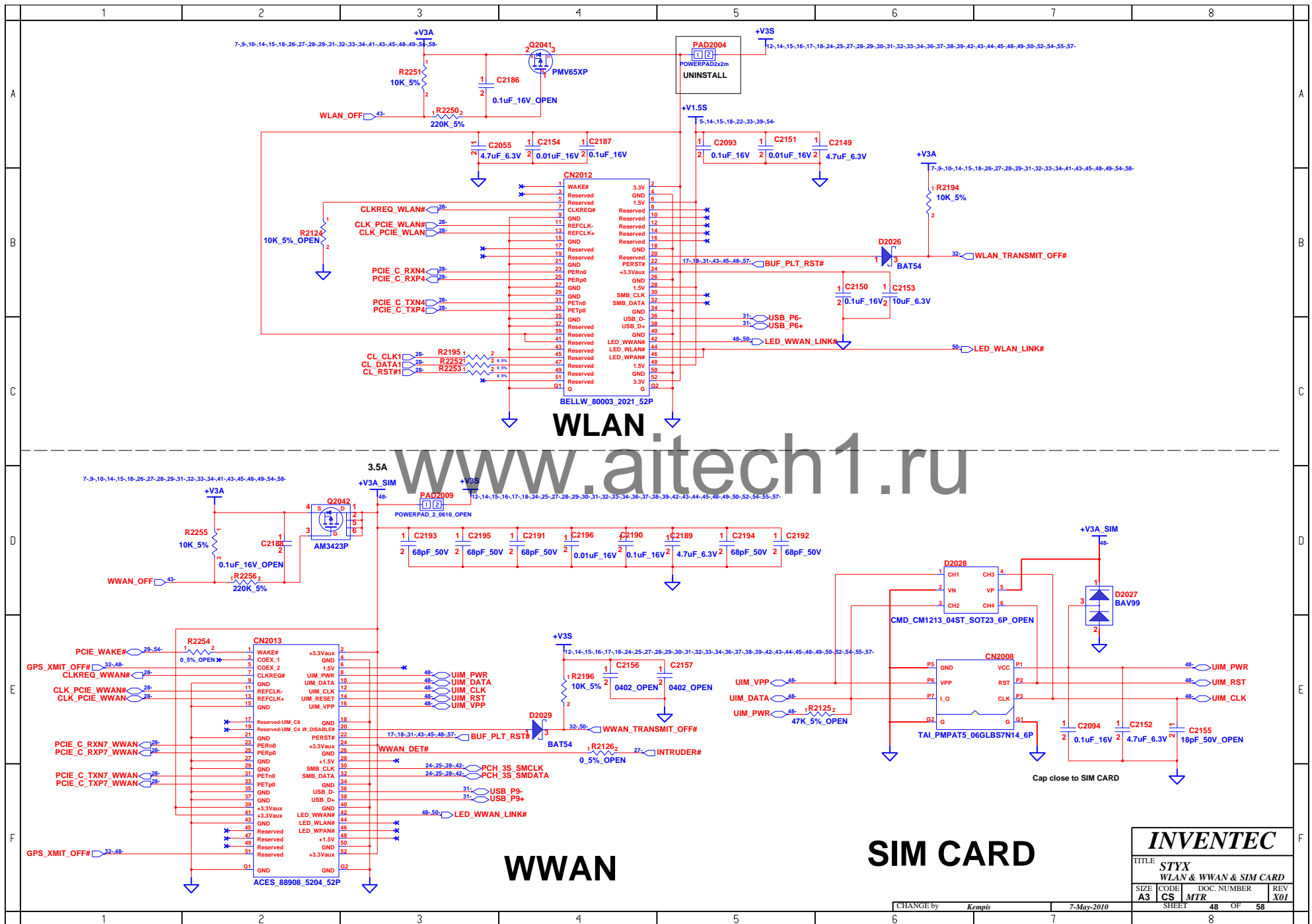
INVENTEC

TITLE			
STYX LAN INTERFACE			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 46 OF 58



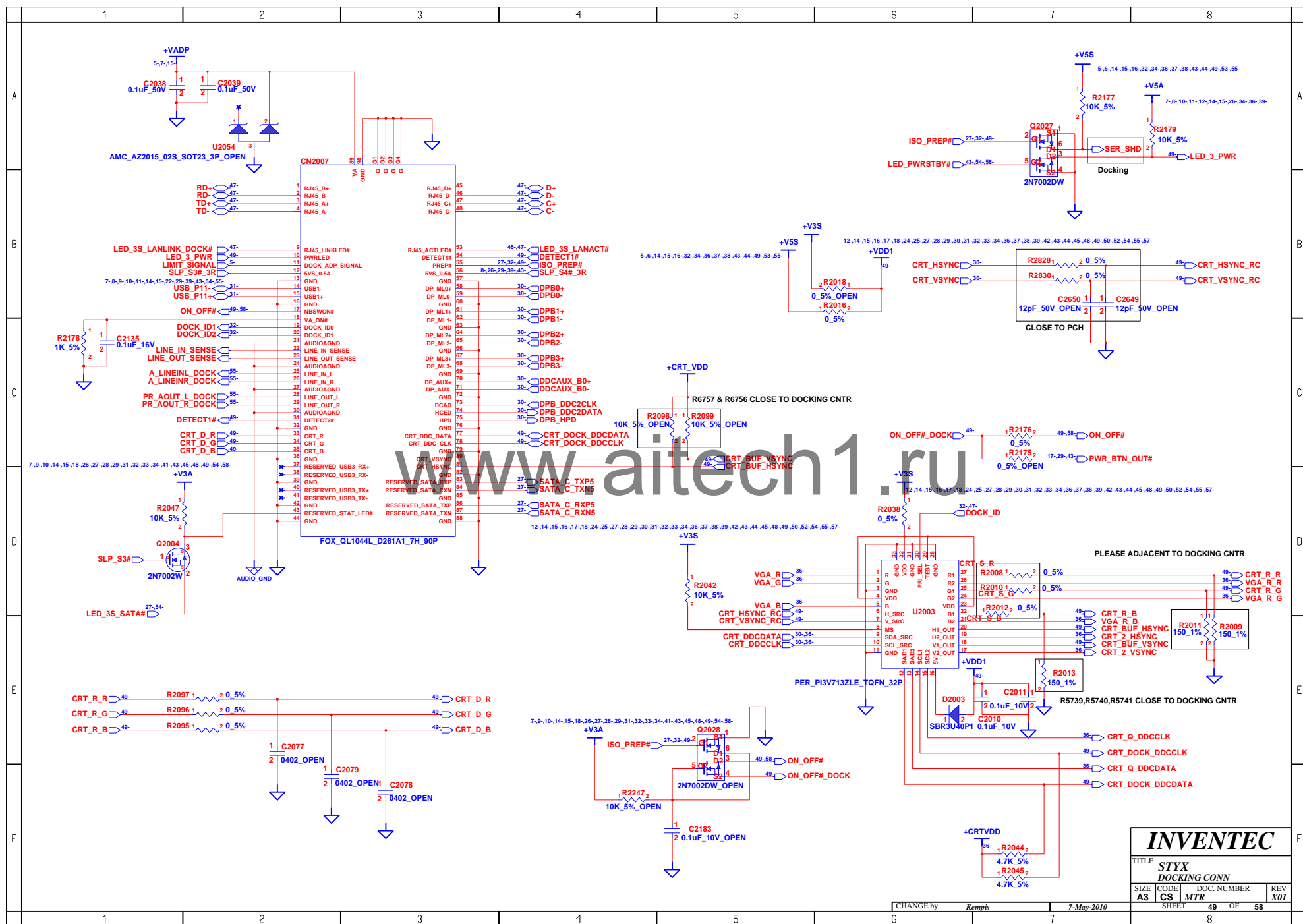


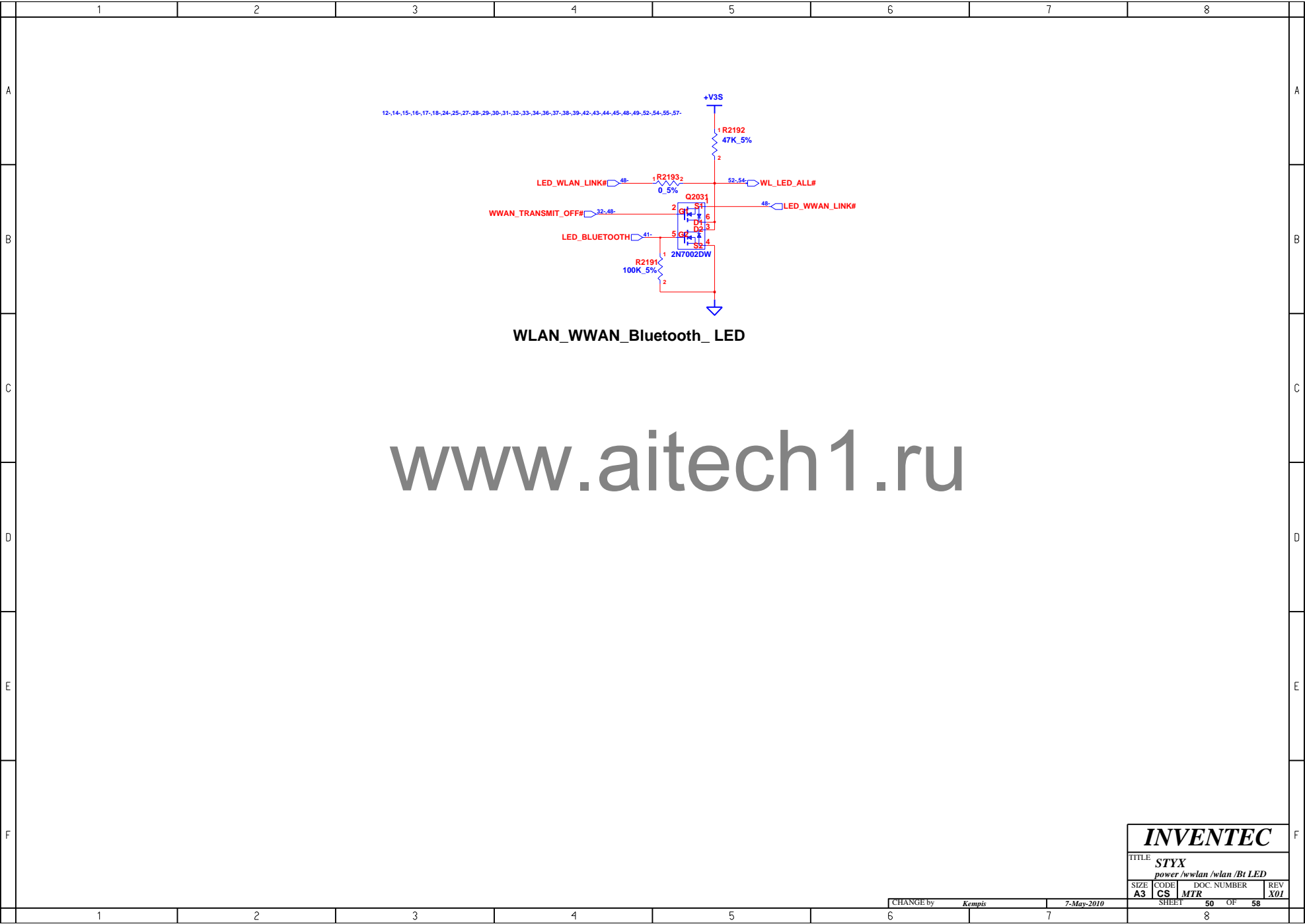
INVENTEC

TITLE: STYX
WLAN & WWAN & SIM CARD
SIZE: A3
CODE: CS
DOC. NUMBER: MTR
REV: X01

CHANGE by: Kempis 7-May-2010

SHEET 48 OF 58





www.aitech1.ru

INVENTEC

TITLE			
STYX			
power /wwlan /wlan /Bt LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 50 OF 58

	1	2	3	4	5	6	7	8			
A	<div>S2000 SCREW2.5_8_1P</div>	<div>S2020 SCREW2.5_8_1P</div>	<div>S2007 SCREW2.5_7_1P</div>	<div>S2009 SCREW2.5_7_1P</div>	<div>S2004 SCREW2.5_7_1P</div>	<div>S2016 SCREW2.5_7_1P</div>			A		
B	<div>S2012 SCREW2.5_6_1P</div>	<div>S2015 SCREW2.5_6_1P</div>	<div>S2010 SCREW1.2_0_6_1P</div>	<div>S2011 SCREW1.2_0_6_1P</div>	<div>S2003 SCREW1.2_0_6_1P</div>	<div>S2002 SCREW1.2_0_6_1P</div>	<div>S2006 SCREW2.3_5_1P</div>		B		
C			<div>S2019 SCREW2.5_6.5_1P</div>	<div>S2022 SCREW2.5_7.5_0_1P</div>	<div>S2001 SCREW250_700_600_1P</div>		<div>S2021 SCREW250_550_650_1P</div>		C		
D	<div>S2005 SCREW1.2_0_5.5_1P</div>	<div>S2008 SCREW1.2_0_5.5_1P</div>	<div>www.aitech1.ru</div>				<div>S2013 SCREW330_600_1P</div>	<div>S2017 SCREW330_600_1P</div>	<div>S2014 SCREW330_600_1P</div>	<div>S2018 SCREW330_600_1P</div>	D
E									E		
F									F		
	1	2	3	4	5	6	7	8			

INVENTEC

TITLE
STYX
SCREW

SIZE
A3

CODE
CS

DOC. NUMBER
MTR

REV
X01

CHANGE by
Kempis

17-Jun-2010

SHEET
51

OF
58

8

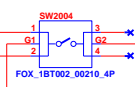
INVENTEC

TITLE STYX SCREW			
SIZE A3	CODE CS	DOC. NUMBER MTR	REV X01

CHANGE by Kempis 17-Jun-2010

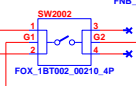
SHEET 51 OF 58

KSCAN_3S_IN(0)_FNB
SCAN_3S_OUT(17)_FNB



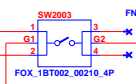
Mute button

KSCAN_3S_IN(1)_FNB
SCAN_3S_OUT(17)_FNB



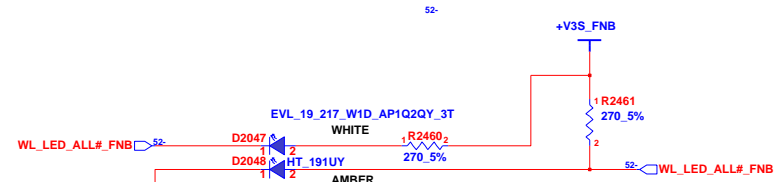
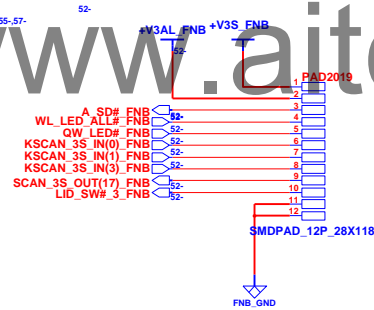
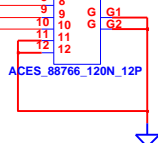
Wireless button

KSCAN_3S_IN(3)_FNB
SCAN_3S_OUT(17)_FNB

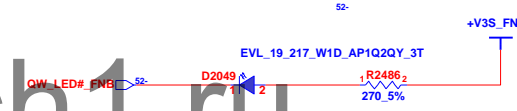


Quickx button

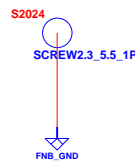
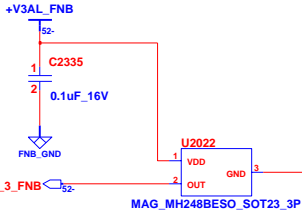
12-14-15-16-17-18-24-25-27-28-29-30-31-32-33-34-36-37-38-39-42-43-44-45-46-48-49-50-54-55-57-
+V3AL
+V3S
CN2015
ACES_88766_120N_12P
A_SD#
WL_LED_ALL#
QW_LED#
KSCAN_3S_IN(0)
KSCAN_3S_IN(1)
KSCAN_3S_IN(3)
SCAN_3S_OUT(17)
LID_SW#_3



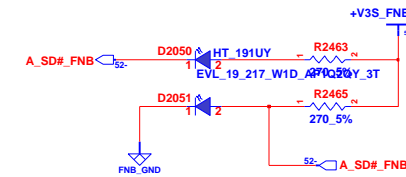
WIRELESS/BLUETOOTH LED



QUICK WEB LED

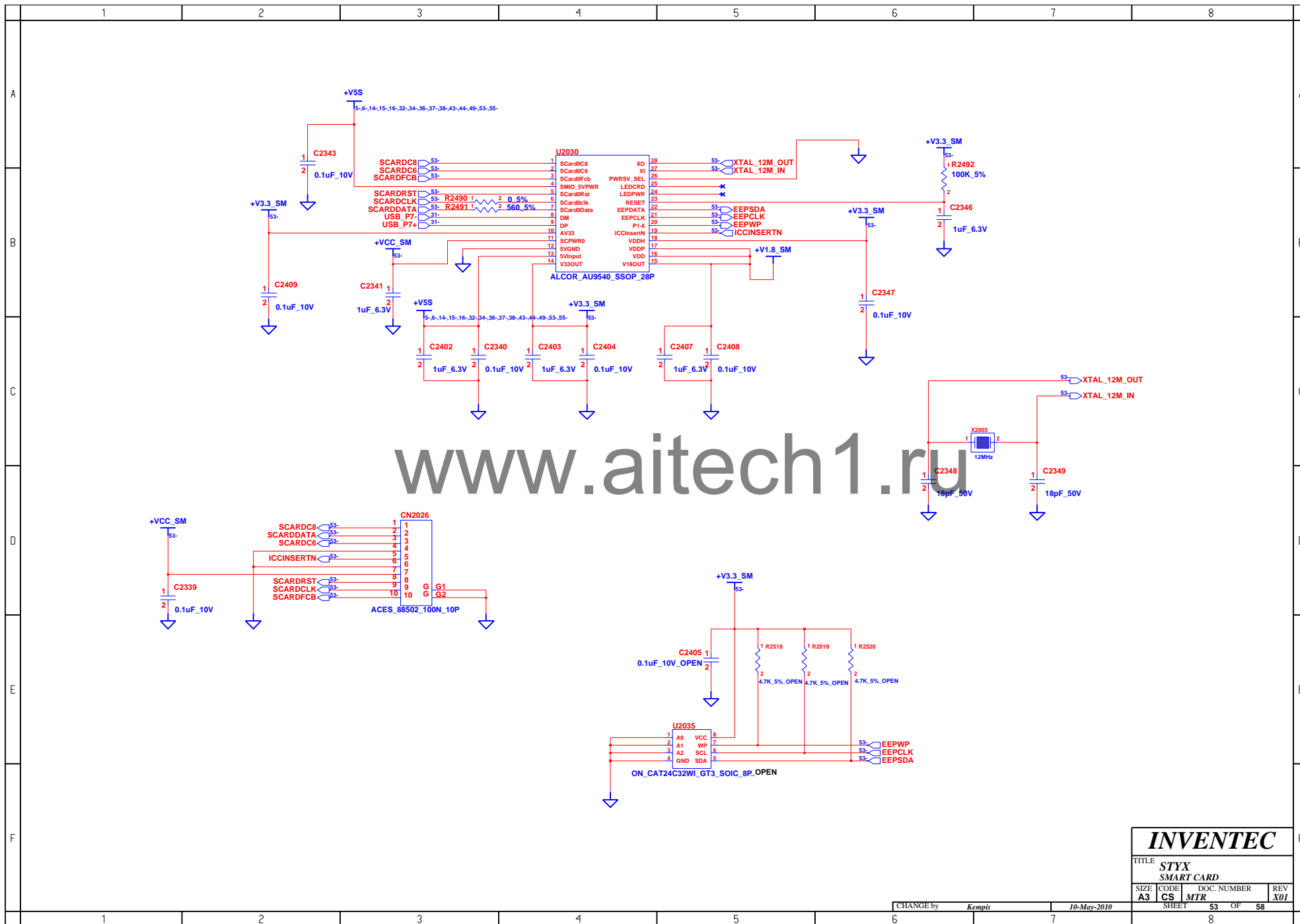


MUTE LED



FUNCTION BOARD & HALL SENSOR

INVENTEC			
TITLE STYX AUDIO EXPRESS CARD (TP CONN)			
SIZE A3	CODE CS	DOC. NUMBER MTR	REV X01
CHANGE by Kempis		7-May-2010	
SHEET 52		OF 58	

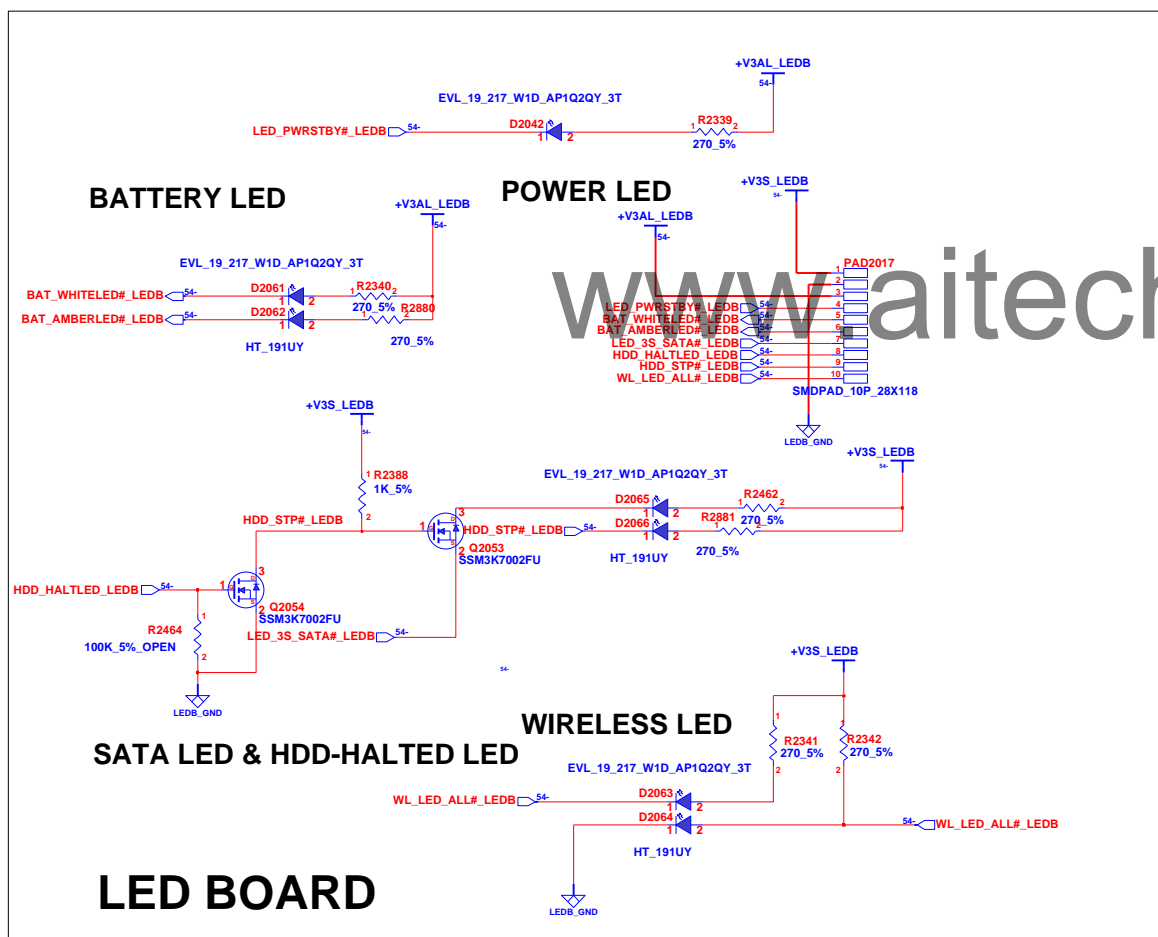
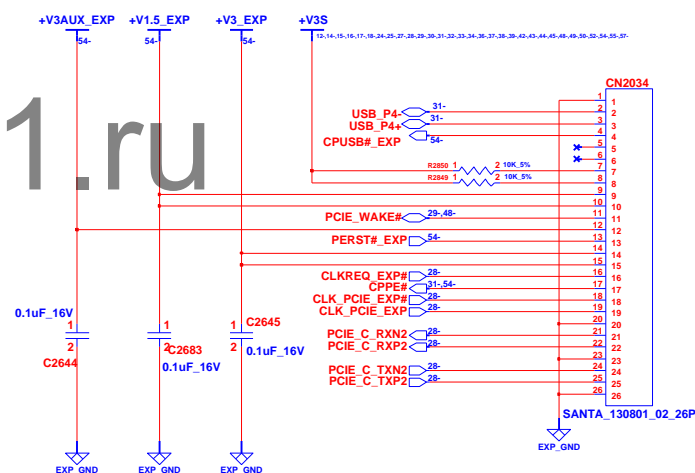
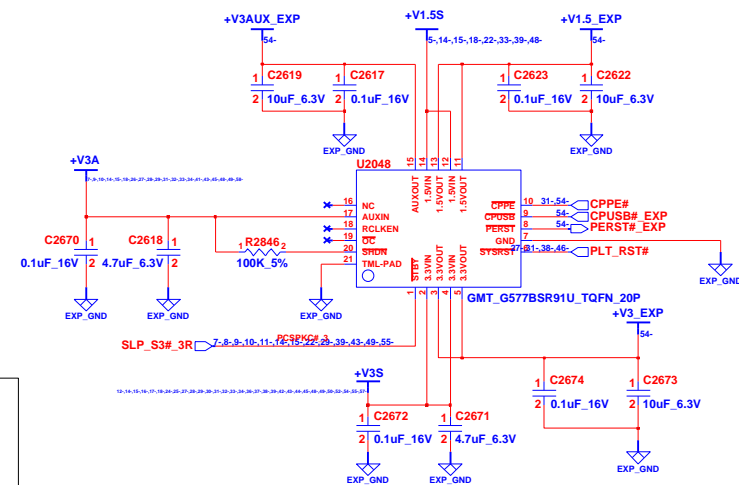


INVENTEC

TITLE			
STYX SMART CARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 10-May-2010

SHEET 53 OF 58



EXPRESS CARD

INVENTEC

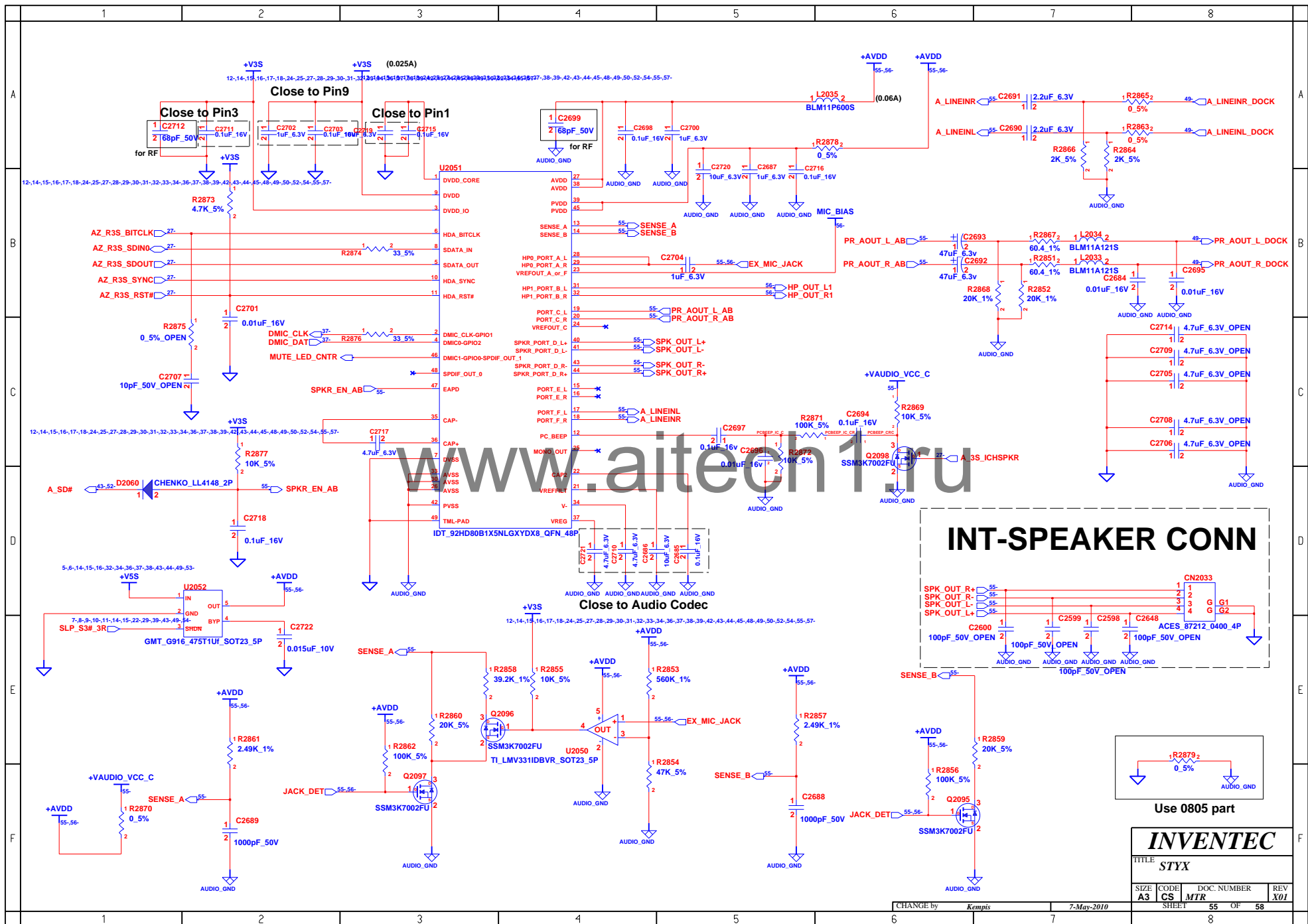
TITLE	STYX
-------	-------------

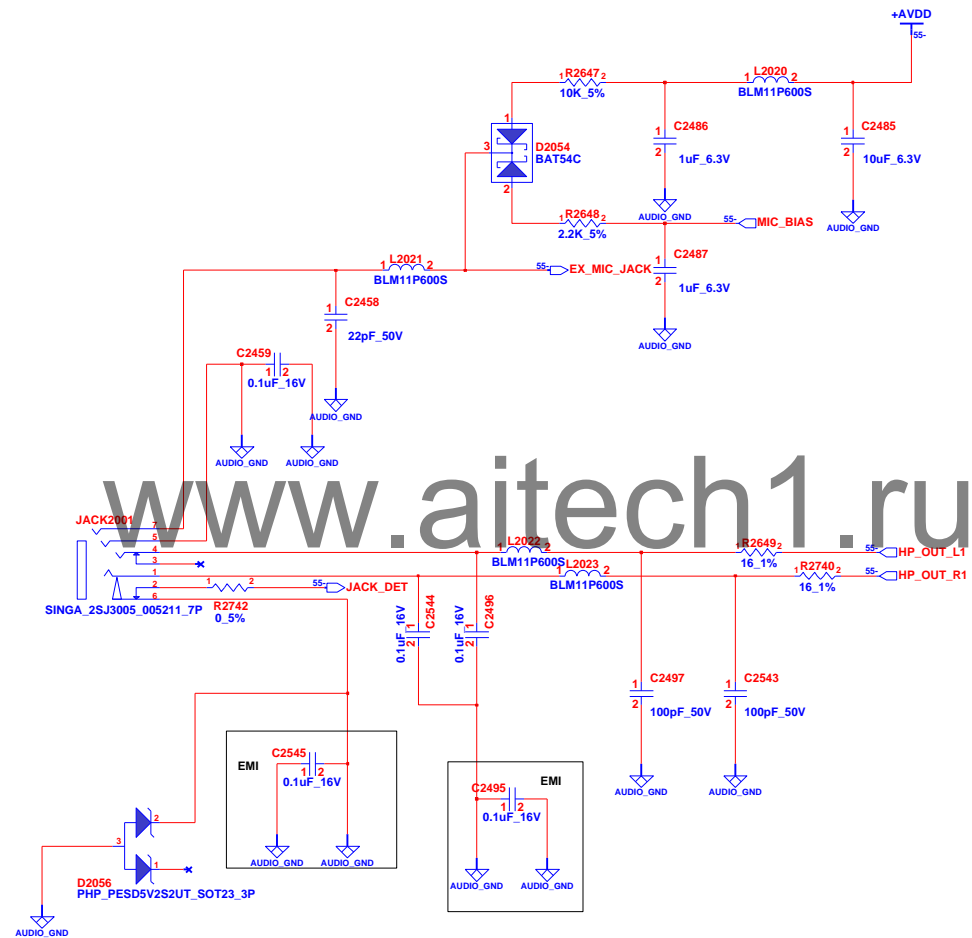
SIZE A3	CODE CS	DOC. NUMBER <i>MTR</i>	REV <i>X01</i>
-------------------	-------------------	---------------------------	-------------------

CHANGE by	<i>Kempis</i>	7-May-2010
-----------	---------------	------------

54 OF 58

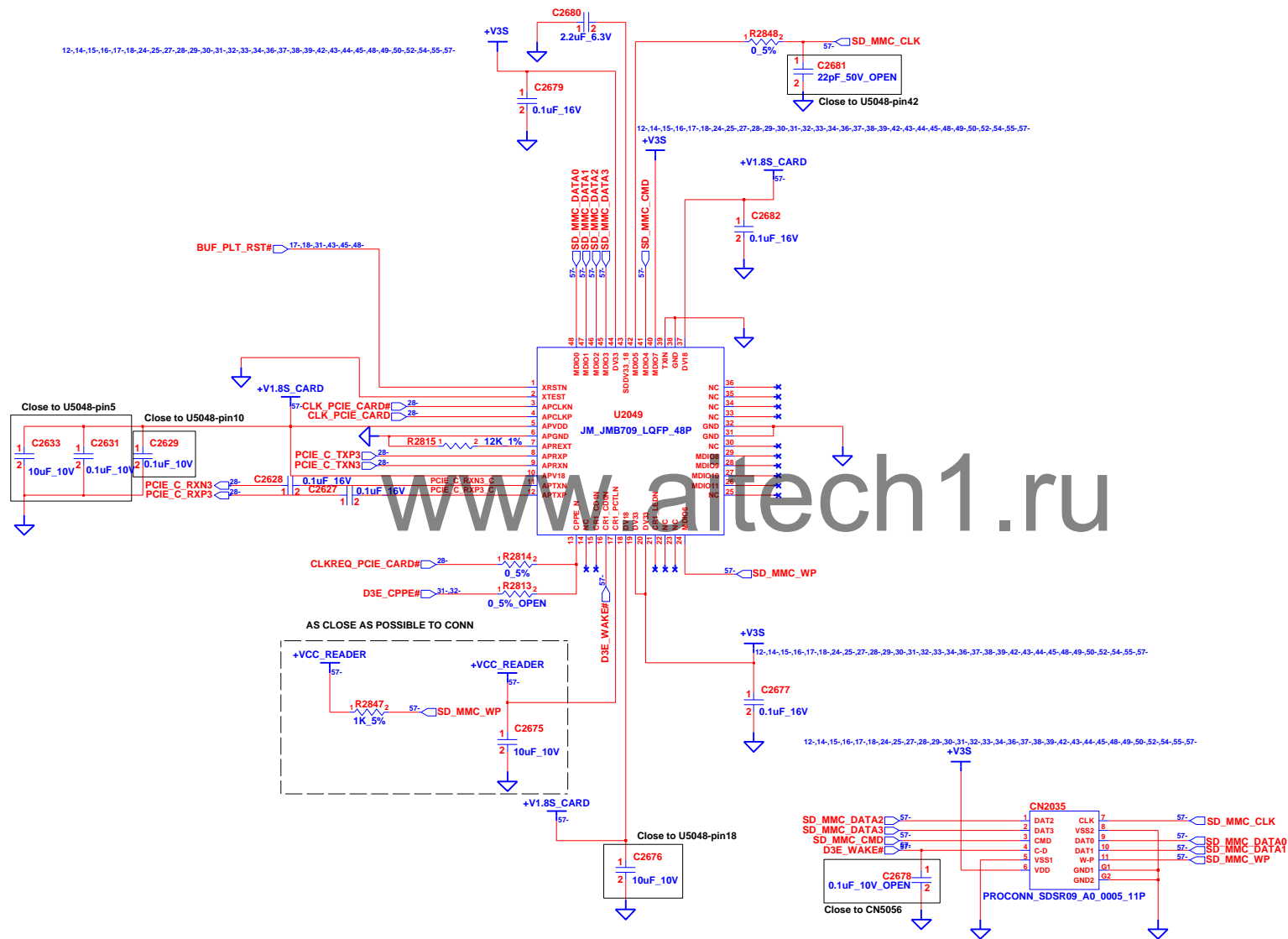
8





INVENTEC			
TITLE STYX			
SIZE A3	CODE CS	DOC. NUMBER MTR	REV X01
SHEET 56		OF 58	

CHANGE by Kempis 25-Jun-2010



INVENTEC

TITLE
**STYX
CARD READER**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	MTR	X01

CHANGE by *Kempis* 7-May-2010

SHEET 57 OF 58

